









1650 N. KOLB RD SUITE 136 TUCSON, AZ 85715

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Soledad Mountain Road - Chronology of Events

July 19, 2007

Resident of 5703 Soledad Mtn Road (Tom Crabbe) notified CD-2 of concerns regarding street cracking and sinking. Additionally, he reported a water leak that was being fixed by City crews. Mr. Crabbe also contacted the Water Dept. Director.

July 24, 2007

Rob Hawk visited 5700 block of Soledad Mtn Road. He investigated the cracks in the street and found "no discernable evidence of a major landslide." He also spoke with Mr. Crabbe about his concerns.

August 6, 2007

Mr. Crabbe contacted CD-2 again about new cracks in Soledad Mtn Road. He also reported that the ground is sinking.

August 6, 2007

Site visit to Soledad Mtn Road by Jim Fisher, Water Dept. Operations Division Deputy Director. A water leak on 8/3, caused by a gasket pulling away from a stainless steel saddle, was repaired this date with a minimal amount of leakage. Water Dept. personnel met with Mr. Crabbe, who showed them additional ground subsidence and a crack at his house.

August 15, 2007

Meeting held with staff from E&CP and Water Dept. to discuss the situation at Soledad Mtn Road. Tom Zeleny was invited to attend the meeting, but did not attend.

September 9, 2007

Email from Soledad Mtn Road resident (Yolanda Braunagel) regarding concerns about the street sinking. In the email, she mentions that "My husband and I spoke to you briefly when you were here a few days ago." Also mentioned is a sewer repair completed, but a return of the sewer smell.

September 14, 2007

Mr. Crabbe reported a new water leak on the 5700 block of Soledad Mtn Road to Rob Hawk. The leak was reported to the Water Dept. Rob Hawk then made a site visit to inspect the conditions. A meeting was scheduled for Monday, 9/17 regarding the 5700 block of Soledad Mtn Road. Invited to the meeting were E&CP, Water Dept. and City Attorney's Office (Ray Palmucci). Water Dept. crews responded to repair the water leak.

September 17, 2007

Meeting conducted to discuss actions necessary at the 5700 block of Soledad Mtn Road. Attendees included Richard Haas, DCOO of Public Works; Afshin Oskoui, Hossein Ruhi and Rob Hawk, E&CP Dept.; Alex Ruiz and Jim Fisher, Water Dept.; and Mark Mercer, City Attorney's Office. Action plans included highlining the water main along the 5700 block of Soledad Mtn Road; retaining a geotechnical engineering consultant to evaluate the situation; contact SDG&E regarding protecting their laterals; setting survey monitoring points on Soledad Mtn Road to evaluate movement; and drafting a letter to homeowners about soil movement and the City's activities. Tom Zeleny, City Attorney's Office, was to be added to the distribution list.

September 18, 2007

Peter Mesich, City Attorney's Office, provided guidance on the sole-source consultant contract for geotechnical consulting services.

Draft of letter to the homeowners sent by Rob Hawk for review and comments. The letter was sent to Mark Mercer, Ray Palmucci and Tom Zeleny, City Attorney's Office. Final review and approval was provided by Mark Mercer.

Letters were distributed by the homeowners in the area of 5700 Soledad Mtn Road during the evening hours.

September 25, 2007

Highlining of water service in the area of 5700 Soledad Mtn Road was completed.

Guidance received from Ray Palmucci, City Attorney's Office, regarding the fact that water highlining was not completed due to a lawsuit.

September 26, 2007

Sewer lines were televised to check on the integrity of the lines.

October 1, 2007

Meeting held with E&CP, Water, MWWD, Streets, Risk Mgmt, and City Attorney's Office (Mark Mercer and Ray Palmucci). Actions reported complete since the last meeting include: speed limit reduced from 35 to 25 mph; consultant contacted and notice-to-proceed to be issued today; police and fire notified of the situation; all residents of the impacted homes have been notified; sewers were televised, with no problems discovered; water service was highlined; SDG&E was contacted about their laterals; and Council Districts 1 and 2 have been notified.

Actions required include: declaration of emergency; request that DSD's building officials inspect the six affected homes; retain a contractor to perform emergency work if indicated after inclinometers are installed; and issue another letter to homeowners in the area about ongoing actions and irrigation restrictions.

Meeting conducted with Helenschmidt (geotechnical consultant) and Groundforce (construction contractor) about starting field work.

October 2, 2007

Rob Hawk notified Tom Zeleny, Ray Palmucci and Mark Mercer that the geotechnical consultant retained by the resident of 5725 Soledad Mtn Road recommended that his client not occupy the house, and that the City should "Red Tag" the house.

Draft letter recommending that residents of affected houses not sleep in their homes was distributed for review. Comments/revisions/approval were received from Tom Zeleny and Ray Palmucci, City Attorney's Office. The letter was distributed to the homeowners in the evening.

Helenschmidt and Groundforce on site. First inclinometer was installed.

October 3, 2007

Helenschmidt and Groundforce on site. Scheduled work includes installation of second inclinometer and boring for soil analysis.

Slope failure begins at approximately 8:50 AM.

From:

Rob Hawk

To:

JBatta@sandiego.gov,AOskoui@sandiego.gov,MGibson@sandiego.gov,DJarrell@sand

iego.gov,RHaas@sandiego.gov

Date:

10/5/2007 5:57:30 AM

Subject:

Re: Soledad - Soil Boring

Stan, Mike Stewert & I discussed a small boring within the slide mass to take moisture samples. They will be discussing that with Jamal today to move that forward as soon as they can get someone there. Once we have site control, we can have a crew safely go in there; the risk is small, and manageable as it is predominately trip-and-fall.

Robert N. Hawk, PE Senior Engineering Geologist/Deputy City Engineer City of San Diego, Engineering and Capital Projects Field Engineering Division, MS 18 9485 Aero Drive San Diego, CA 92123 (858) 573-5011 (858) 627-3297 (Fax) rhawk@sandiego.gov

Working Together to Engineer a Better Tomorrow

>>> Jamal Batta 10/04/07 3:51 PM >>>

FYI:

- 1. The consultant will finish the first boring on the south side by 7 p.m. it will be 100 ft deep. Stan Helenschmidt informed me that they didn't find any water. Mike Stewart a geologist from Leighton will go in the hole at 7:30 p.m. Stan is calling Ninyoo and Moore to verify if they want to go in the hole tonight or tomorrow morning.
- 2. Down in the alley we will be finishing with the first and only boring. It will be 50 ft deep. It is located north of the slide area.
- 3. Tomorrow we will do one more boring to the north of the area on Soledad.

Stan told me that we are doing just these 3 borings.

Thanks, jamal

Jim Fisher - Soledad Mtn Rd

From: Lyn

Lynne Rich

To:

Afshin Oskoui; Alex Ruiz; Conf CAB 11 Large; hossein ruhi; Jay Goldstone; Jim Fisher; Richard

Haas; Rob Hawk; Tim Bertch

Date: 10/5/2007

Time:

7:00 AM - 8:30 AM

Subject:

Soledad Mtn Rd

Place:

Conf CAB 11 Large

CC:

Janet Bruce; Olivia Castillo; Sabrina Lozano; Shohreh Metanat

Please come prepared to meeting to substantiate time-line of event, July to the present, as well as what steps and actions were and have been taken. Bring staff as you feel appropriate.

Jim Fisher - Re: City Attorney Investigators visit to Chollas

From:

Alex Ruiz

To:

Greg Bych; Jim Barrett; Richard Haas

Date:

10/5/2007 9:22 AM

Subject:

Re: City Attorney Investigators visit to Chollas

CC:

James Coldren; Jim Fisher

Jim B/ Rich/ Greg B:

This communication is from Jim Coldren (Risk Mgt). Three CAO investigators showed up at Chollas yesterday and he provided them with all SR's on SMR from May forward. Jim Fisher and Jim Coldren will double check this information for completeness.

I informed Coldren of the policy on referring all CAO inquiries to Mayor's Office.

Alex

(619) 533-6692 Assistant Director Water Department

>>> James Coldren 10/5/2007 8:22 AM >>>

Three City Attorney Investigators came to Chollas yesterday, October 4, 2007, to investigate alleged document destruction by the Water Department. They said the receptionist at the City Attorney's office received a phone call from an unidentified person who seemed to be disguising his voice and who alleged the Water Department was destroying documents related to the Mount Soledad slide.

I talked with the investigators for about 1 hour about procedures for processing crew Dailies and put them in touch with Jim Fisher. I also gave them a list of the SWIM Service Requests for Soledad Mountain Road since May 1 2007. As they had no information about what section or office the alleged destruction might be occurring at I was not able to help them further; I'm not even sure why they chose to come to Chollas except that they knew I worked at that location.

One has to wonder if someone is playing tricks on the City attorney since he seems to get these vague allegations called in regularly. Perhaps it is his reaction to apparently baseless rumor that is generating more such calls?

Jim Fisher - Soledad Mtn Timeline

From:

Jim Fisher

To:

David Jarrell; Richard Haas

Date:

10/5/2007 11:26 AM

Subject:

Soledad Mtn Timeline

Rich/Dave, Attached is the time line for Water Department work associated with Soledad Mtn Rd. Jim

WATER OPERATIONS - Soledad Mountain Road Timeline:

- 7/19: Water Department received a call of water coming out of street at 5715 Soledad Mtn Rd. Call was received at 18:21 hours. Emergency Response crew responded at 19:21 hours and had the main shutdown by 21:10. A construction crew was dispatched at 20:00 hours and discovered the leak was a blown service. The repair was completed by 03:30 hours on 7/19. (SR 299660)
- 8/2: Water Department received a call at 11:37 hours that water was leaking from the repair patch from 7/19. Emergency Response crew responded at 13:00 hours and found no leak or evidence of water. (SR 3001954)
- 8/3: Water Department received a call at 10:21 hours that water was leaking from the repair patch from 7/19. Emergency Response crew responded at 11:30 hours and found water leaking from patch. Leak was minimal, so repair was held until 8/6 for repair. Construction crew responded for repair on 8/6 at 08:00 hours. Leak was determined to be a defective repair band. Repair was completed by 15:00 on 8/6. (SR 3002160)
- 8/10: Water Department received a call at 04:02 hours of a leak in the street at 5712 Soledad Mtn. Rd. Emergency Services crew responded at 05:40 hours and referred the leak for repair. Construction crew was dispatched by 08:00 hours and found the leak to be caused by a crack immediately above the service. Repairs were completed by 15:00 hours. (SR 3003498)
- 8/31: Water Department received call at 12:50 hours for problem at 5748 Desert View Dr. (alley) Emergency Response crew responded at 13:40 hours and could not determine source of leak. Referred call to Leak Detection crew. Leak Detection crew investigated area on 9/5 at 10:20 11:20 hours and found no leak. (SR 3006898)
- 9/14: Water Department received a call at 13:31 hours of a leak in the street at 5703 Soledad Mtn. Rd. Construction crew responded at 15:30 hours and found the leak to be caused a service leak. Repairs were completed by 02:30 hours on 9/15. (SR 3010436)
- 9/18: Water Department received a call at 11:54 hours for a street leak at 5734 Desert View Dr. (alley) (SR 3011239)
- 9/20: Water Department began installation of temporary highline system.
- 9/25: Water Department cut and plugged the water main in Soledad Mtn Rd. on both sides of the area of concern, and provided temporary highline service to the affected residences. Work was completed by 17:30 hours. (SR 3012845)

- 9/25: Water Department received a call at 19:00 of a leak in the highline system on Soledad Mtn Rd. Crew was dispatched at 19:40 hours and repaired the highline by 20:10 hours. (SR 3012941)
- 9/28: Water Department received a call at 17:55 hours of a leak in the alleyway at 5734 Desert View Dr. Valve crew closed the hydrant valve located on the alley. (SR 3015637)
- 9/29: Water Department received a call at 07:05 hours of the street lifting at 5748 Desert View Dr. (alley) (SR 3015687)
- 10/1: Water Department received call at 15:30 hours of sunken patch at 5731 Desert View Dr. (alley) (SR 3016147)

Jim Fisher - Re: 5735 Soledad Mtn Rd

From:

Jim Fisher

To:

Christopher Toth; Rob Hawk

Date:

9/10/2007 3:12 PM

Subject:

Re: 5735 Soledad Mtn Rd

CC:

Alex Ruiz; David Jarrell; Jim Barrett; Ray Palmucci; Stan Medina; Tim Bertch

Rob, This raises a question about any sewage leakage into the slope and potentially contributing to the slope movement and/or negative impacts on the water system. Jim

>>> Christopher Toth 9/10/2007 2:55 PM >>>

based on earlier email requests today, WWCD staff went to 5735 Soledad Mtn Rd and there only could discover bad sewer odors coming from a bathroom plumbing fixture within the residence. WWCD CCTV footage also exists from the recent past (7/26/2007) wherein WWCD crews televised the sewer main in front of this property. Review of this recent CCTV file shows that the sewer lateral leading from the property is completely filled with roots as it approaches the sewer main.

The property owner needs to be contacted and apprised of this matter. Following our City Council Policy 400-10, the property owner needs to clear the property sewer lateral so that it flows freely. Should a licensed plumber or licensed drain cleaner perform this work, the licensed entity will file a plumber's report if it believes there are any structural problems with the property's sewer lateral on the public street side of the sewer lateral. The property owner is responsible for clearing the sewer lateral completely, regardless of which side of the street a sewer lateral blockage exists.

The large root mass within the sewer lateral is the likely cause of bad sewer odors within the residence, since sewage cannot easily flow from the property to the city sewer main. The city would like to coordinate with a licensed plumber involved in cleaning the sewer lateral so that city forces can trap any large root masses that leave the sewer lateral and potentially could block the downstream public sewer.

Please let me know if you want me or other MWWD employees to contact the property owner regarding this issue. thanks, Chris

Chris Toth Deputy MWWD Director, WWCD City of San Diego 9150 Topaz Way San Diego, CA 92123 Phone: 1-858-654-4161 Fax: 1-858-654-4139

cell phone: 1-619-990-4718 email: CToth@SanDiego.gov From:

Rob Hawk

To:

Goldstone, Jay; Haas, Richard; Jarrell, David; Oskoui, Afshin; Sainz, Fred

Date:

10/5/2007 9:54:40 AM

Subject:

Fwd: Message from KMBT 600

Somebody in the office should look at this now and decide how to use it. I haven't had time to review. I'm off to the site. Rob Hawk

Robert N. Hawk, PE Senior Engineering Geologist/Deputy City Engineer City of San Diego, Engineering and Capital Projects Field Engineering Division, MS 18 9485 Aero Drive San Diego, CA 92123 (858) 573-5011 (858) 627-3297 (Fax) rhawk@sandiego.gov

Working Together to Engineer a Better Tomorrow

	CONFIDENTAL
DESERT VIEW DRIVE	Attends Work Froduct 1956 195
Opterra Project No. 805101-1	Lawy Renner Dop. C.t. Att. Y.

16/11/01

Lawy Kenner Dop. P.t. Att.	Coments	3 sheets		Sheet 6 of 9		Attached drawings		Attached drawings					In conjunction with Whittman-Marn (logs and lab)	Referenced in Alvarado 8/15/77 report			Attached maps
7	Opterra Copy?	-	>	>-	¥	>-	> -	>	>	>	>	> >	>	z	>-	> -	>
	Authorizing Organization/Client					City of San Diego	International Testing Corporation		Nevi Homes, Inc.	International Testing Corporation	Ardee Builders	Soledad Investment Company Mr. C.L. Hulbert					
Opterra Project No. 805101-1	Title/Description/Event	"Plans for the Improvement of Desert View Drive in La Jolla Soledad," Map No. 9840-1-D	"Grading Plan for La Jolla Soledad," Map No. 9840- 4T-D	"Plans for the Improvement of Soledsd Mtn. Road, Desert View Drive,, La Jolla Pacifica Unit No. 1," Map No. 10130-1-D	LANDSLIDE accurs in early morning	"Landslide Investigations, Soledad Mountain, City of San Diego, California"	"Geologic Investigation, Lots 6 - 35, La Jolla Soledad, La Jolla, California"	"Geological Investigation, Soledad Slide, San Diego, California"	"Foundation and Geological Invastigation for Lots 6 - 35 Inclusive, La Jolla Soledad,"	"Geologic Investigation, Landslide on Lots 27 through 35, 41 through 43, and 203 through 207, Between Soledad Mountain Road and Desert View	"Foundation and Geological Investigation for Lots 40, 41, 42 & 43, Soleded Corona Estates,"	"Lot 170, Soledad Corona Estates, Unit No. 3," "Soil Investigation for the Hulbert Residence,	5613 Soledad Mountain Road, San Diego, California ^M "Supplementary Geologic Investigation, Soledad Corona Estates No. 3 and La Jolla Soledad Tracts"		Photos of landslide	"Geologic Study of La Jolla Soledad Landslide", a rough draft	Geological Imvestigations, Soledad Landslide and Adjacent Areas, San Diego, California
	Author/Player	Freeland, Evenson, Christensen & Boas	Freeland, Evenson, Christensen & Boas	Freeland, Evenson, Christensen & Boas		Benton Engineering, Inc	Hood & Schmidt, Inc.	Moore & Taber	International Testing Corporation	Hood & Schmidt, Inc.	International Testing Corporation	Moore & Taber Woodward, Clyde, Sherard & Associates	Hoore & Taber	Woodward, Clyde, Sherard and Associates	Blake Thomas	Slosson & Associates	Slosson & Associates
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d		Opterna Copy? Comments	4 sheets, includes street improvements and cross-	sections			Letter to City of San Diego	Letter to Inter-City soils re: retention of Phil	Benton for review Letter to Harbor Management Corp. re: approval of	development					Review of Alvarado 8/15/77 report	
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		Authorizing Organization/Client			Harbor Management Corporation	Harbor Management Corporation					Alvarado Soíls Engineering	Mr. James Hofmen	Mr. James Hofman		City of San Diego	Mr. James Hofman
DESERT VIEW DRIVE CHROMOLOGY	Opterra Project No. 805101-1		"Grading Plan for Soledad Corona Estates No. 3,"	Map No. 12531-D "Soledad Mountain Road Repair", a letter to the Mavor and City Cymroil on Cityle involvement in	repair of Desert View Drive "Proposed Single Family Houses in Landslide Area, Lots 203-207 of Soleded Corona Estates, Unit Wo.	3, Lots 42 and 43 of La Jolla Pacífica Unit No. 1, "Proposed residences in landslide area, Lots 203-207 of Soledad Corona Estates Unit No. 3, Lots 42		3, Lots 42 and 43 of La Jolla Pacifica Unit No. 1, "Soil Study for Desert View Drive Area"	"Soil Study for Desert View Drive Area"	Construction of Wagner residence, 5628 Desert View	Drive (Approximate dates) "Review Soil and Geologic Investigation, Alvarado Soils Project No. 52 CIE, Four Proposed	Residential Building Sites, South East of Desert "Preliminary Geologic and Soils Investigation, Proposed 4 Lot Residential Development, Southest	Side of Desert View Drive," "First Addendum to Preliminary Geologic and Soils Investigation Proposed 4-10t "	"Sewermain in Desert View Drive for Parcel Map 1.M. 78-353"	"Review of Soils Investigation, for Parcel Map on	Useer tyrew Dires, San Diego, California" "Second Addendum to Preliminary Geologic and Soils Investigation, Proposed 4-Lot"
		Author/Player	Wittman Engineering Co.	City Manager	Inter-city Soils, Inc.	Richard L. Marn	Inter-City Soils, Inc.	City of San Diego	City of San Diego		Shapardson Engineering Associates, Inc.	Alvarado Soils Engineering, Inc.	Catlin and Company, Inc.	Catlin and Company, Inc.	Woodward-Clyde Consultants	Catlin and Company, Inc.
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DESERT VIEW DRIVE CHRONOLOGY

Opterra Project No. 803101-1 Determine Type Author/Flayer Titte/Description/Pent Author/Flayer Carlin and Company, Inc. Titte/Description/Pent Carlin and Company, Inc. Title/Description/Pent Carlin and Company, Inc. Title	Date Type Author/Player Letter Catlin and Company, Inc. Calc's Construction Engineering Letter Catlin and Company, Inc. Map Kenneth E. Baker Permit City of San Diego 7/22/85 Event Anderson Drilling 10/01/86 Event Letter Catlin and Company, Inc. Report Catlin and Company, Inc. 8/01/85 Event Anderson Drilling Report Catlin and Company, Inc. Report Catlin and Company, Inc. Report Catlin and Company, Inc.	DESERT VICE DESERT CHRONOLOGY			
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DESERT VIEW DRIVE CHRONOLOGY

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		Authorizing Organization/Client		Wildwood Construction						Viidkood Construction	Mr. Stuart Cooper	Mr. Ramon Ramirez	Mr. Ben Badiee	Hr. Ben Badiee			Mr. Stuart Cooper
CHRONOLOGI	Opterra Project No. 805101-1	Title/Description/Event	"Structural Calculations, MacMillan Residence, Desert View Drive Pancel 2"	"Geotechnical Investigation, Desert View Residences, 5600 Block Desert View Drive, La Jolla, Calfornia	Construction of Broutzos residence, 5623 Desert View Drive (approximate dates)	"Drilled Pier Excavation Observation, Southerly lot of Desert View Residence, 5623 Desert View	Drive, La Jolla, California" Construction of Johnson residence, 5629 Desert	View Drive (approximate dates) "Updated Report for Drilled Pier Excavation	Observation, Northerly Lot of Desert View Residences, 5629 Desert View Drive, La Jolla,	"Review of Foundation Plans, Proposed Broutzos Residence, 5629 Desert View Drive, La Jolla, California"	"Report of Geotechnical Investigation, Proposed Cooper Residence, 5641 Desert View Drive, La Jolla, California	"Limited Site and Structural Investigation, Single Family Residence, 5613 Desert View Drive, La Jolla Area, San Diego, California"	"Investigation of Landslide, Single Family Residence, 5613 Desert View Drive, La Jolia Area, San Diego, California"	"Limited Investigation of Landslide, Single Family Residential Site, 5613 Desert View Drive, La Jolla Area, San Diego, California"	Cribwell calculations	"Proposed Single Family Residence, 5639 Desert View Drive, La Jolla, California"	"Stability of Existing Slope, Proposed Cooper Residence, 5639 Desert View Drive, La Jolla, California"
		Author/Player	_	Southern Cal. Soil and Testing, Inc.		Southern Cal. Soil and Testing, Inc.		Southern Cal. Soil and Testing, Inc.		Southern Cal. Soil and Testing, Inc.	Southern Cal. Soil and Testing, Inc.	Catlin Engineering, Inc.	Catlin Engineering, Inc.	Catlin Engineering, Inc.	Southern Cal. Soil and Testing, Inc.	City of San Diego	Southern Cal. Soil and Testing, Inc.
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DESERT VIEW DRIVE CHRONOLOGY

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	Authorizing Organization/Client	City of San Diego						Mr. Stuart cooper							City of San Diego								Mr. Stuart Cooper		Mr. Stuart Cooper		City of sen Diego	City of San Diego	City of San Diego	
Opterra Project No. 805101-1	Title/Desiption/Event	Permit issued for construction of residence at	Excavation for 5639 Desert View Drive (approximate	dates) Excavation of 18 caisson holes, 5639 Desert View	Drive	"Possible Movement of Soil Mass at 5635 Desert	View Drive, La Jolla Area of San Diego, Californian Instantion/Testion Bacondo	"Limited Inspection. Single Family Residence 5635	Desert View Drive, San Diego, California"	"Discussion of Meeting at Single Family Residence,	5635 Desert View Drive, La Jolla Area, San Diego,	Cal fornia"	Backfill of Excavation, 5639 Desert View Drive	(approximate dates)	Begin monitoring of survey points, 5623 - 5639	Desert View Drive	"Preliminary Evaluation of Distress, Road,	Flatwork, and Structures, 5639 & 5635 Desert View Drive*	"Geotechnical Evaluation of Structure and Street	Distress, 5635 and 5639 Desert View Drive, La	Jolle, California"	Opterra initial site visit	"Anticipated Construction Traffic, Cooper	Residence, 5641 Desert View Drive, La Jolla, California	"Proposed Cooper Residence, 5639 Desert View	prive, La Joile, California"	packet-auger porings b-; and 6-2 drilled	Hollow-stem auger borings B-1 and B-2, with slope indicator casing installed	"Geotechnical Evaluation, 5635-5639 Desert View	Drive, La Jolla, California"
	Author/Player	City of San Diego		Western Foundation and Shoring	;	Southern Cal. Soil and Testing, Inc.	Southern Cal. Soil and Testing Inc.	Catlin Engineering, Inc.		Catlin Engineering, Inc.					City of San Diego		City of San Diego		City of San Diego			Opterra	Southern Cal. Soil and Testing, Inc.		Southern Cal. Soil and Testing, Inc.	E E E E E E E E E E E E E E E E E E E	Alliyo & Boole	Opterra	Ninyo & Moore	
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9 age ,		Соппелts	Handwritten notes with general conclusions on	possible (lability							Cooper occupancy still prohibited, others warmed.	Concl.: interior cracking for 5613-5635 not due to soil movement			
		Opterra Copy	-	~ ~ ~	N.	¥	>	ž	¥	> -	>-	>	₹	> -	¥
		0 Authorizing Organization/Client	Roth Construction	- derial topo. Map)	City of San Diego	City of San Diego	Southern Cal. Soil and Testing, Inc.	City of San Diego	City of San Diego	Mr. Stuart Cooper			City of San Diego	City of San Diego	
DESERT VIEW DRIVE FOX CP. (3 WALL CHRONOLOGY	Opterra Project No. 805101-1	_=	"Summary of Site History"	Aerial photos taken of Desert View Drive area (For Gerial topo, Mare) Letter to Hr. and Mrs. Cooper prohibiting occupancy Letter to Hr. and Mrs. Green advising that	occupancy 18 mail their own risk Sewer Line manageaphod, 5613 - 5653 Desert View Drive	floor level surveys and inspections of 6 residences, 5613 - 5639 Desert View Drive	"Evaluation of Slope Indicator Data, Vicinity of 5635-5639 Desert View Dr., San Diego. California"	Four concrete cuts through street section, 5613 - 5629 Desert View Drive	Mollow-stem auger borings B-3 and B-4 drilled	"Response to City of San Diego Letter, Cooper Residence, 5039 Desert View Drive, San Diego, California"	Letters of findings and recommendations to the owners of 5613 to 5639 Desert View Drive	"Structural field Survey of Five Desert View Drive Homes"	Drilling of 5 slope indicator borings and 5 large diameter exploratory borings	Letter to Robert N. Hawk, P.E. advising him of release of 1989 Catlin correspondence.	Layer of asphaltic concrete applied to upper section of Desert View Drive, 5613 - 5639, approximately 2 - 3 inches thick
~5/10/91 EXCNNTION/CONSTRUCTION FOR CR. B WALL AT COOPER RESIDENCE	!	Author/Player	Douglas E. Moran, Inc	City of San Diego City of San Diego	City of San Diego	Opterra	E. Douglas Schwantes, Jr.	City of San Diego	Opterra	Southern Cal. Soil and Testing, Inc.	City of San Diego	City of San Diego	Leighton & Associates	Catlin Engineering, Inc.	City of San Diego
1		Type	Notes	Event Letter Letter	Event	Event	Report	Event	Event	Report	Letters	Letter	Event	Letter	Event
\	End	Date				5/30/91 Event							9/12/91 Event		
10/15/91	Start	•	1/23/91	4/30/91 5/10/91 5/10/91			6/07/91	6/11/91	6/13/91	7/15/91	7/30/91	8/02/91	8/13/91	9/16/91	10/02/91

From:

John Henze

To:

Jim Fisher

Date:

10/5/2007 10:50:42 AM

Subject:

Mount Soledad Landslide Documentation

Thank you for returning my call today, October 5, 2007.

This is to confirm your instruction that all future requests for documents from the Water Department should be made through Julie Dubick in the Mayor's Office.

I understand that you also stated that our past requests for documents, made on October 3, 2007 will be routed through Ms Dubick as well.

I understand that I can call you should I need further clarification.

John Henze Senior City Attorney Investigator Civil Division 533-6390

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Any review, use, disclosure or distribution by persons or entities other than the intended recipient(s) is prohibited.

CC:

Ray Palmucci

SWIM Workorder

Printed on: 10/4/2007

Nature of Complaint	Street# Fr Predir St	treet Name Sfx Suite # Juris
UNSCHEDULED MAINTENANCE	5715 SOLEDAD M	TN RD SD
		Intersection
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SR # WO # Status Gen Dt Prty	Location De 5715 SOLEDAD MAOUNTAIN ROA	
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Fac Type Fac Seq#		
MAIN 5185137	Requestor Name	Area Phone # Contact
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Complete		Field Book Pg Grid
Sketch	W RC	C12S
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PIPE INTEGRITY / EXTRA SECTION.	Job Description	
	Special Instructions	
Work Cd Work Code Desc	Action Code	Action Code Desc
TV INSPECT	TV03 TELEVISED I	MAIN COND ASSESS
Motive Equipment Used		Rental Equipment Used
Equip Nbr Hours	Equipment Type	Operated Hours
		O Yes O No
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Start Date/Time End Date/Time	Department	Job Order Number Employees Hours
7/26/2007 11:21:41 7/26/2007 11:21:41 METRO	WASTE WATER DEPT	8202 3 1
	Service Request Comments	
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PGED 758JKL		
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PER 758, ASSISTED IN FLUSHING MAIN FOR CIT	Y PROTECTIONMF	
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TV'D THIS EXTRA SECTION GOING D/S, FOUND	Work Order Comments BELL JOINTS @ MATERIAL CHANG	SES. THE LAST JOINT (BELL) @ 101'
CAMERA COULD NOT PASS. DID A REVERSE SE WAS ABANDONED.	T-UP AND WAS AGAIN STOPPED	BY A BELL JOINT @ 51'. SURVEY

for Ciyt of SD

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Pipe L	/se Sanit	ary			Sched length	254.0	F	t	From	C12S-029	,	Depth 15.00	Ft
Sha	pe Circu	iar			Size 8 by	ins	5	1	To	C12S-384		Depth	Ft
Mater	ial Polyv	inly ch	nloride		Joint Spacing	Ft				tion Dow			
Lin	ing				Year laid				Pre-c		Last Cle		
Genera	i note ex	tra se	ctions t	to assess conditio	n				Struct		Service	Construct	ional
Location	n note on	soled	lad mtn	. rd.					Misce	llaneous	Hydraulic		
Video	Count	CD	Code			Sev	Fr	То	Value	Remark	s		
00000	0.0		ST	Start of Survey		<u> </u>	L						
00000	0.0		MH	Manhole/Node		<u> </u>		<u> </u>		C12S-02	9		
00000	0.0		WL	Water level					1				
	3.5		RJ	Roots at joint		L	<u></u>			<u> </u>			
	4.5		RJ	Roots at joint		L		L					
	5.0		CN	Service Connection	n	<u> </u>	03	<u> </u>	<u></u>				
	28.6		MC	Material of sewer	changes	<u></u>	<u> </u>	<u>L</u>		TOVC			
	34.4		MC	Material of sewer	changes		<u> </u>			BACK TO	O PVC		
	37.9		LL	Bend in pipe left		<u> </u>		<u>L</u>	<u> </u>	<u> </u>			
	62.4		CN	Service Connection	ก		03		<u> </u>	<u> </u>			
	93.1		МС	Material of sewer	changes	<u> </u>	_	<u> </u>	ļ	TO VC			
	98.3		GO	General observati	on			<u></u>	<u> </u>	BELL JC			
	100.5		MC	Material of sewer	changes		<u> </u>	<u> </u>	<u> </u>	TO PVC			
	101.0		SA	Survey abandone	d		<u>L</u> _		<u> </u>	CAM CA	N NOT PAS	SS	
	101.0	Ft	Total I	ength Surveyed			,						
	Score	s 🗆		Structural:	Total 0				ct 0	Pea		Mean Pipe	
Notes				Service:	Total 200	Me	an L)efe	ct 66.7	Pea	k 100	Mean Pipe	3 2

Extra section tved d/s found bell joints @ materical changed and at 101' the cam. would not pass.

Clock references: Clock references are given clockwise ie from 10 o'clock to 2 o'clock = 1002. The upper part of a pipe is 0903 and the lower half is 0309. See Illustration below











Work	Order 30	0062	2	Contract					Vide	eo cd		S	Setup 19	
Fi	acility 51	85137	,	Operator (parker			Va	n R	ef 3030	005	Surveye	d On 07/26/20	07
Str	eet Name	5715	5 soleda	d mtn rd.			City	saı	n die	go				
Loca	ation type	Road	l carriag	eway										
	Surface	Chip	seal roa	ıd										
Survey	/ purpose	Spec	ific prob	lems on sewer sys	tem related to	structi	ıral V	/eat	her	Dry				
Pipe	Use Sani	lary			Sche	d leng	th 254.0) F	t	From	C12S-384		Depth	Ft
Sł	hape Circu	ılar			Size 8	bу	ins	•	ŀ	To	C12S-029		Depth 15.00	Ft
Mate	erial Poly	vinly c	hloride		Joint Space	cing	Ft			Direc	ction Up			
Li	ning				Year laid	j				Pre-c	lean	Last Cle	Depth Ft Depth 15.00 Ft t Cleaned Ce Constructional	
Gener	ral note R	everse	e set up	on sheet:18		·				Struct	tural	Service		
Locatio	on note o	sole	dad mtn	. rd.						Misce	ilaneous	Hydraulic		
Video	Count	CD	Code	·			Sev	Fr	То	Value	Remarks		· · · · · · · · · · · · · · · · · · ·	
00000	0.0		ST	Start of Survey										
00000	0.0		МН	Manhole/Node							C12S-384	ļ		
00000	0.0		WL	Water level						1				
	23.5		JD	Joint Displaced			S							
	50.3		MC	Material of sewer	changes						TRO VC			

51.0 Ft Total Length Surveyed

SA

51.0

Scores

Notes

Structural: Total 0 Mean Defect 0 Peak 0 Mean Pipe 0
Service: Total 0 Mean Defect 0 Peak 0 Mean Pipe 0

CAN NOT PASS

Rev. set up another bell joint stopped cam.

Survey abandoned

Clock references: Clock references are given clockwise ie from 10 o'clock to 2 o'clock = 1002. The upper part of a pipe is 0903 and the lower half is 0309. See Illustration below











SWIM Workorder

MWWD INPUT

Printed on: 10/4/2007

Nature o									
	f Complaint	Street	# Fr Pre	dir S	Street Name		Sfx S	Suite #	Juris
TELEVISE		5715		SOLEDAD N	/ITN		RD		SD
1		<u></u>	ـــالـــالـــــا		Intersection				ال.وسيسوما ال
								<u></u>	
İ				Location D	escription		٧	Vater/	Sewer
SR# WO	# Status Gen Dt	Prty				-		S	
3016113 8	CMP 10/01/07	2		Cross Stre	et Name				
Fac 7	ype Fac Seq#		··						
MA		<u> </u>	Request	or Name	Area Phone	# Conta			
					7	N	Ť		
		ES So-	vion Arna	Service Area	Field Book Pg	Grid			
	Complete		W	RC RC	C12S	Gila			
, ,	Olympia h	L	•		L				
, l	Sketch	· · · · · · · · · · · · · · · · · · ·	dio#	Orig Radio#	Thos Bros Pg				
			946		1248A2				
•		Jo	b Descrip	otion					
TELEVISE FOR I	PIPE INTEGRITY								
		Spe	cial instru	ctions					
ENVIRONMENTA	ALLY SENSITIVE AREA	. PERMITS MAY E	BE REQUI	RED. CONTACT	YOUR SUPERVIS	OR FOR I	VSTRU	ICTIO	NS.
Work Cd	Work Code Des		Action Co		Action Co	de Desc			
TV TV INS			TV03		MAIN COND ASS				
IV JIVING	FEOT		1 703	TEELVIOLE	TVIAIT COND AGG				! !
Motive	Equipment Used								
	Edathilleur osea				— Rental Equip	ment Used			
Equip Nbr	Hours		Equip	ment Type	— Rental Equip			Hours	
			Equip	oment Type	Opera			Hours	
			Equip	oment Type	Oper	ated		Hours	
			Equip	oment Type	Oper	No		Hours	
Equip Nbr	Hours				Oper. Yes (No			
Equip Nbr	Hours		Departmen	nt	Opera O Yes (No	nploye		lours
Equip Nbr	Hours End Date/Time		Departmen	nt	Oper. Yes (No			
Equip Nbr	Hours		Departmen	nt	Opera O Yes (No	nploye		lours
Equip Nbr	Hours		Departmen	nt	Opera O Yes (No	nploye		lours
Equip Nbr	Hours		Departmen	nt	Opera O Yes (No	nploye		lours
Equip Nbr	Hours	METRO WASTE	Departmer WATER	nt	Opera O Yes (No	nploye		lours
Equip Nbr	Hours	METRO WASTE	Departmer WATER	nt DEPT	Opera O Yes (No	nploye		lours
Equip Nbr	Hours	METRO WASTE	Departmer WATER	nt DEPT	Opera O Yes (No	nploye		lours
Equip Nbr	Hours	METRO WASTE	Departmer WATER	nt DEPT	Opera O Yes (No	nploye		lours
Equip Nbr	Hours	METRO WASTE	Departmer WATER	nt DEPT	Opera O Yes (No	nploye		lours
Equip Nbr	Hours	METRO WASTE	Departmer WATER	nt DEPT	Opera O Yes (No	nploye		lours
Equip Nbr	Hours	METRO WASTE	Departmer WATER	nt DEPT	Opera O Yes (No	nploye		lours
Start Date/Time 10/3/2007 08:43:0	End Date/Time 0 10/3/2007 09:32:04	METRO WASTE	Department : WATER	st Comments Comments	Oper. Yes (Yes (Yes (Job Order Nur 8203	No N	nploye		lours
Start Date/Time 10/3/2007 08:43:0	Hours	METRO WASTE	Department : WATER	st Comments Comments	Oper. Yes (Yes (Yes (Job Order Nur 8203	No N	nploye		lours
Start Date/Time 10/3/2007 08:43:0	End Date/Time 0 10/3/2007 09:32:04	METRO WASTE	Department : WATER	st Comments Comments	Oper. Yes (Yes (Yes (Job Order Nur 8203	No N	nploye		lours
Start Date/Time 10/3/2007 08:43:0	End Date/Time 0 10/3/2007 09:32:04	METRO WASTE	Department : WATER	st Comments Comments	Oper. Yes (Yes (Yes (Job Order Nur 8203	No N	nploye		lours

for City of SD

Work Order 3016113 Contract				Video cd					Setup 14					
Facility 8307 Operator p					The state of the s						Surveyed On 10/03/2007			
Loca	eet Name ition type Surface purpose	Roa Chip	d carriaç o seal ro	geway ad	em related to structu	City ral V	, sar Veat		go Dry					
Pipe	Use Sani	tary			Sched lengt	h 318.	0 F	t	From	C12S-026		Depth 8.00	Ft	
•	ape Circu	-			Size 8 by	ins			To	C12S-025		Depth	Ft	
	erial Vitrifi		ay		Joint Spacing	Ft			Direc	tion Dow	n	•		
Lit	ning				Year laid				Pre-c	lean	Last Cle	eaned		
Gener	al note tv	for p	ipe integ	rity					Struct	ural	Service	Construc	tional	
Locatio	on note or	n st.							Misce	lianeous	Hydraulic			
Video	Count	CD	Code			Sev	Fr	То	Value	Remarks	;			
00000	0.0		ST	Start of Survey										
00000	0.0		МН	Manhole/Node					l	C12S-026	3			
00000	0.0		WL	Water level					1					
	3.0		СВ	Break in Connection	on		10							
	3.0		CR	Roots from lateral		S	10			l				
	38.9		CN	Service Connection	n	j	02							
	61.6		CN	Service Connection	n	l	11							
	98.7		RJ	Roots at joint		S		ļ						
	111.0		CN	Service Connection	n		02							
	133.7		CN	Service Connection	ก		11							
	173.1		CN	Service Connection	n		02		<u> </u>					
	209.6		CN	Service Connection	n		10	L						
·	249.0	L	CN	Service Connection	n		02							
	284.8		CN	Service Connection	n	1	11							
	302.9		WL	Water level					0040					
	309.0		CUB	Camera Submerge	ed Begin					<u> </u>				
	318.0		МН	Manhole/Node						C12S-02	5			
	318.0		FH	Finish of Surveys			<u></u>			end				
	318.0	Ft	Total	Length Surveyed										
	Score	s [Structural:	Total 0				ct 0	Peal		Mean Pip		
Notes				Service:	Total 45	Me	an D)efe	ct 9	Peal	c 25	Mean Pip	e 0.1	

At 302' water level has an increase and cam. went under water, was able to see m/h 25.

Clock references: Clock references are given clockwise ie from 10 o'clock to 2 o'clock = 1002. The upper part of a pipe is 0903 and the lower half is 0309. See Illustration below











SWIM Workorder

Printed on: 10/4/2007

Nature of Co	mplaint	•	treet# Fi	- Bradi		Street N	3770	S#~	Suite #	ł Ivrio
TELEVISE UNSCHEDULED MAIN	ITENANCE		5715	Fiedi	SOLEDAD M		ailie	RD		SD
UNSCHEDOLED WAIN	TENANOL		<u> </u>			Interse	ection		J L	
		Г			-					
					Location Do	escripti	on .		Water/	Sewer
SR# WO#	Status Gen Dt	Prty 57	715 SOLE	DAD MA			RRECT ADDRES	SS)	S	
3000622 1	CMP 07/25/07	1			Cross Stree	et Name	•			
Fac Type	Fac Seq #									
MAIN	8306		Red	questor	Name	Area	Phone # Co	ontact		
		l						N		
-		E	S Service	Area S	Service Area	Field I	Book Pg Gr	id		
	Complete		W		RC	С	128			
∏ s	iketch		Radio#	ŧ (Orig Radio#	Thos	Bros Pg			
		[946			1248	A2			
			Job De	escriptio	on					
TV MAIN TO ACCES	S CONDITION			P - 1.						
			Special I	nstruct	ions					
TV SUROUNDING AF	REA NEAR 5715 S	OLEDAD.M								
Work Cd	Work Code Des	c	Actic	on Code			Action Code Des	ic.		
TV TV INSPEC		·····		V03		MAIN (COND ASSESS			
					<u> </u>		23			
•	ipment Used					Re	ntal Equipment U	lsed		
Equip Nbr	Hours		i	Equipm	ent Type		Operated		Hours	;
	<u> </u>	<u> </u>					Yes No	┥┝━		
1	11	F 1								
	<u> </u>	<u></u>					Yes No			
							Yes No		·········	
Start Date/Time	End Date/Time		Depa	rtment		Job		Emplo	yees l	lours
		METRO W			РТ	Job	Yes No	Emplo 1	yees H	lours 0.1
		METRO W			РТ	Job	Yes No Order Number		yees h	
		METRO W			PT	Job	Yes No Order Number		yees h	
		METRO W			PT	Job	Yes No Order Number		yees h	
			ASTE WA	TER DE		Job	Yes No Order Number		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39		ASTE WA	TER DE	Comments		Yes No Order Number 8202		yees h	
	7/30/2007 14:09:39		ASTE WA	TER DE	Comments		Yes No Order Number 8202		yees h	
7/30/2007 14:09:38	7/30/2007 14:09:39		ASTE WA	TER DE	Comments		Yes No Order Number 8202		yees h	
7/30/2007 14:09:38	7/30/2007 14:09:39		ASTE WA	TER DE	Comments		Yes No Order Number 8202		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39		ASTE WA	TER DE	Comments		Yes No Order Number 8202		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39		ASTE WA	TER DE	Comments		Yes No Order Number 8202		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39		ASTE WA	TER DE	Comments		Yes No Order Number 8202		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39		ASTE WA	TER DE	Comments		Yes No Order Number 8202		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39		ASTE WA	TER DE	Comments		Yes No Order Number 8202		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39		ASTE WA	TER DE	Comments		Yes No Order Number 8202		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39	1 FSN#8307	Service R	TER DE	Comments CAN HOLDP/		Yes No Order Number 8202		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39	1 FSN#8307	Service R	TER DE	Comments CAN HOLDP/		Yes No Order Number 8202		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39	1 FSN#8307	Service R	TER DE	Comments CAN HOLDP/		Yes No Order Number 8202		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39	1 FSN#8307	Service R	TER DE	Comments CAN HOLDP/		Yes No Order Number 8202		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39	1 FSN#8307	Service R	TER DE	Comments CAN HOLDP/		Yes No Order Number 8202		yees h	
7/30/2007 14:09:38	7/30/2007 14:09:39	1 FSN#8307	Service R	equest MAIN, (Comments CAN HOLDP/		Yes No Order Number 8202		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39	1 FSN#8307	Service R	equest MAIN, (Comments CAN HOLDP/		Yes No Order Number 8202		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39	1 FSN#8307	Service R	equest MAIN, (Comments CAN HOLDP/		Yes No Order Number 8202		yees I	
7/30/2007 14:09:38	7/30/2007 14:09:39	1 FSN#8307	Service R	equest MAIN, (Comments CAN HOLDP/		Yes No Order Number 8202		yees h	

Work Order Comments

WRONG FSN WAS GIVEN, SHOULD READ FSN 8306 & SUROUNDING AREAS. THAT FSN WAS TV'D ON 7-26-07 AS WELL AS 7 OTHER FSN'S, IN THE AREA.

SWIM Workorder

Printed on: 10/4/2007

Nature of Complaint TELEVISE UNSCHEDULED MAINTENANCE SR # WO # Status Gen Dt Prty 3000622 2 CMP 07/26/07 1	5715 SOLEDAD MTN	tersection cription (CORRECT ADDRESS)	Sfx Suite # Juris RD SD Water/Sewer S
Fac Type Fac Seq # MAIN 8306 Complete Sketch TV MAIN TO ACCESS CONDITION.	W RC Radio# Orig Radio# TI 946 946 Job Description Special Instructions	Area Phone # Cont. N eld Book Pg Grid C12S hos Bros Pg 1248A2	act
TV SUROUNDING AREA NEAR 5715 SOLEDAD Work Cd Work Code Desc TV TV INSPECT	Action Code	Action Code Desc	
Motive Equipment Used Equip Nbr Hours Start Date/Time End Date/Time [7/26/2007 09:53:24] 7/26/2007 09:53:25 METRO [Motive Equipment Used [7/26/2007 09:53:25] METRO [7	Equipment Type Department DWASTE WATER DEPT	Pental Equipment Use Operated Yes No Yes No Yes No Oyes No Oyes No Oyes No Dob Order Number 8202	Hours Hours mployees Hours 1
PER 946 REQ FLUSHER CREW TO FLUSH FSN#	Service Request Comments 8307 ON 8"VC MAIN, CAN HOLDPAG	ED 8794JKL	
PGED 758JKL			
PER 758, ASSISTED IN FLUSHING MAIN FOR CIT	TY PROTECTIONMF		
THIS MAIN IS CLEAR W/ ROOTS INSIDE 3 LATE	Work Order Comments RALS.		

Comments of the property of the Comments of the Property of the Party of the Comments of the Party of the Par	
THIS MAIN IS CLEAR W/ ROOTS INSIDE 3 LATERALS.	
1	STATEMENT STEELS

Work Order 3000622 Contract			Video cd er Van Ref 303005						Setup 16				
Fac	cility 830	06		Operator p	arker		Va	n R	ef 3030	005	Surveye	d On 07/26/200)7
Stre	et Name	5715	soleda	id mtn rd.		City	sar	die	go				
	ion type												
	Surface	Chip	seal ro	ad 					D				
Survey	purpose	Spec	itic prot	lems on sewer syst	em related to structu		/eat		Dry			·····	
Pipe U	/se Sanit	tary			Sched lengt	h 315.0	F	t	From	C12S-024		Depth 20.00	Ft
Sha	ape Circu	ılar			Size 8 by	ins	•		To	C12S-025		Depth	Ft
Mater	<i>rial</i> Vitrifi	ied cla	ıy		Joint Spacing	Ft				tion Down			
Lin	ing				Year laid			\dashv	Pre-c		Last Cle		
Genera	<i>l note</i> tv	to ass	sess co	ndition				-	Struct		Service	Construct	ional
Location	n note or	n soled	dad mtn	. rd.					Misce	lianeous	Hydraulic		
Video	Count	CD	Code			Sev	Fr	To	Value	Remarks			
00000	0.0		ST	Start of Survey									
00000	0.0		МН	Manhole/Node					l	C12S-024			
00000	0.0		WL	Water level				L	3				
	33.0		CN	Service Connection	n		03	L.					
İ	49.1		CN	Service Connection	on		10						
	108.4		CN	Service Connection	n		02		<u> </u>				
	115.1		RJ	Roots at joint		S							
	117.6		CN	Service Connection	on		10						
	117.6		CR	Roots from lateral		M	10	<u> </u>	<u> </u>	<u> </u>			
	146.0		DE	Debris		S							
	183.8		CN	Service Connection	חנ		11	<u> </u>					
	183.8		CR	Roots from lateral		s	11		<u> </u>	ļ			
	186.7		CN	Service Connection	on		02						
	186.7		CR	Roots from lateral		L	02	<u> </u>	<u> </u>				
	249.4		CN	Service Connection	on		10	<u> </u>	<u> </u>	<u></u>			
	268.3		DE	Debris		<u> s</u>		L	<u> </u>	<u> </u>			
	268.5		CN	Service Connection	on	<u>. </u>	02		<u> </u>				
	304.7		CN	Service Connection	on		10	<u>L</u>					
	315.0	L	MH	Manhole/Node				Ļ,	ļ	C12S-025	5		
	315.0		FH	Finish of Surveys			<u> </u>		<u> </u>	END			

315.0 Ft Total Length Surveyed

Scores

Mean Pipe 0 Mean Pipe 0.9 Mean Defect 0 Mean Defect 38.6 Peak 0 Peak 75 Structural: Service: Total 0 Total 270

Notes

This main is clear, 3 laterals have roots from them.

Clock references: Clock references are given clockwise ie from 10 o'clock to 2 o'clock = 1002. The upper part of a pipe is 0903 and the lower half is 0309. See Illustration below











SWIM Workorder

Printed on: 10/4/2007

Nature of C	omplaint						
TELEVISE		Street # Fr Pr	edir	Street Name		Sfx Suit	e# Juris
UNSCHEDULED MAI	NTENANCE	5715	SOLEDAD	MTN		RD	SD
ONO OFFICE WATER	MILIWAGE	<u> </u>				ــــا لـــــا	
				Intersection			
		-	Location D	escription		Wate	er/Sewer
SR# WO#	Status Gen Dt	Prty 5715 SOLEDAD		<u>.</u>	DDDECC		s
			MACONTAINRO	DAD (CORRECT A	(DDKESS)		
3000622 3	CMP 07/26/07	1	Cross Stre	et Name			
Fac Typ	e Fac Seq#						
		<u> </u>					
MAIN	8316	Reques	tor Name	Area Phone	# Cont	act	
					N		
بسبرا	0	ES Service Area	a Service Area	Field Book Pg	Grid		
1	Complete	W	RC	C12S			
بسع ا	C14-h			· ·			
1	Sketch	Radio#	Orig Radio#	Thos Bros Pg			
i		946	946	1248A2			
		<u> </u>					
	<u> </u>	Job Descri	ption				
PIPE INTEGRITY / E	EXTRA SECTION.					,	
		Om! -! 1 4 -					
		Special Instr	uctions 				
<u> </u>							
Work Cd	Work Code Des	c Action C	ode	Action Co	ode Desc		1
TV TV INSPE	OT			NAME OF THE PARTY			
I V INSPE	:01		LECEVISE	MAIN COND ASS)E33		
				Dontal Faula		d	
	uipment Used			Rental Equip		a	
Equip Nbr	Hours	Equi	pment Type	Oper	rated	Ho	urs
I							
II	11				\bigcirc No. 1	I.	
				O Yes	O No		
				Yes (○ No ○		
				Yes	O No		
					$\stackrel{\sim}{=}$		
Start Date/Time	End Date/Time	Departme	nt	Yes (No No	mployees	Hours
Start Date/Time	End Date/Time	Departme		Yes O Yes O Yes O Yes	No No	mployees	
Start Date/Time [7/26/2007 13:33:02]	End Date/Time 7/26/2007 13:33:02	Departme		Yes (No No	mployees	Hours
		· · · · · · · · · · · · · · · · · · ·		Yes O Yes O Yes O Yes	No No		
		· · · · · · · · · · · · · · · · · · ·		Yes O Yes O Yes O Yes	No No		
		· · · · · · · · · · · · · · · · · · ·		Yes O Yes O Yes O Yes	No No		
		· · · · · · · · · · · · · · · · · · ·		Yes O Yes O Yes O Yes	No No		
		· · · · · · · · · · · · · · · · · · ·		Yes O Yes O Yes O Yes	No No		
		METRO WASTE WATER		Yes O Yes O Yes O Yes	No No		
[7/26/2007 13:33:02]	7/26/2007 13:33:02	METRO WASTE WATER	DEPT set Comments	Job Order Nu	No No		
[7/26/2007 13:33:02]	7/26/2007 13:33:02	METRO WASTE WATER	DEPT set Comments	Job Order Nu	No No		
[7/26/2007 13:33:02]	7/26/2007 13:33:02	METRO WASTE WATER	DEPT set Comments	Job Order Nu	No No		
[7/26/2007 13:33:02]	7/26/2007 13:33:02	METRO WASTE WATER	DEPT set Comments	Job Order Nu	No No		
[7/26/2007 13:33:02]	7/26/2007 13:33:02	METRO WASTE WATER	DEPT set Comments	Job Order Nu	No No		
[7/26/2007 13:33:02]	7/26/2007 13:33:02	METRO WASTE WATER	DEPT set Comments	Job Order Nu	No No		
[7/26/2007 13:33:02]	7/26/2007 13:33:02	METRO WASTE WATER	DEPT set Comments	Job Order Nu	No No		
7/26/2007 13:33:02	7/26/2007 13:33:02	METRO WASTE WATER	DEPT set Comments	Job Order Nu	No No		
[7/26/2007 13:33:02]	7/26/2007 13:33:02	METRO WASTE WATER	DEPT set Comments	Job Order Nu	No No		
7/26/2007 13:33:02	7/26/2007 13:33:02	METRO WASTE WATER	DEPT set Comments	Job Order Nu	No No		
7/26/2007 13:33:02	7/26/2007 13:33:02	METRO WASTE WATER	DEPT set Comments	Job Order Nu	No No		
7/26/2007 13:33:02	7/26/2007 13:33:02	METRO WASTE WATER	DEPT set Comments	Job Order Nu	No No		
7/26/2007 13:33:02	7/26/2007 13:33:02	METRO WASTE WATER	DEPT set Comments	Job Order Nu	No No		
7/26/2007 13:33:02	7/26/2007 13:33:02	METRO WASTE WATER	DEPT set Comments	Job Order Nu	No No		
PER 946 REQ FLUSH	7/26/2007 13:33:02	METRO WASTE WATER Service Reque H FSN#8307 ON 8"VC MAI	DEPT est Comments N, CAN HOLDP	Job Order Nu	No No		
PER 946 REQ FLUSH	7/26/2007 13:33:02	METRO WASTE WATER	DEPT est Comments N, CAN HOLDP	Job Order Nu	No No		
PER 946 REQ FLUSH	7/26/2007 13:33:02	METRO WASTE WATER Service Reque H FSN#8307 ON 8"VC MAI	DEPT est Comments N, CAN HOLDP	Job Order Nu	No No		
PER 946 REQ FLUSH	7/26/2007 13:33:02	METRO WASTE WATER Service Reque H FSN#8307 ON 8"VC MAI	DEPT est Comments N, CAN HOLDP	Job Order Nu	No No		
PER 946 REQ FLUSH	7/26/2007 13:33:02	METRO WASTE WATER Service Reque H FSN#8307 ON 8"VC MAI	DEPT est Comments N, CAN HOLDP	Job Order Nu	No No		
PER 946 REQ FLUSH	7/26/2007 13:33:02	METRO WASTE WATER Service Reque H FSN#8307 ON 8"VC MAI	DEPT est Comments N, CAN HOLDP	Job Order Nu	No No		
PER 946 REQ FLUSH	7/26/2007 13:33:02	METRO WASTE WATER Service Reque H FSN#8307 ON 8"VC MAI	DEPT est Comments N, CAN HOLDP	Job Order Nu	No No		
PER 946 REQ FLUSH	7/26/2007 13:33:02	Service Reque H FSN#8307 ON 8"VC MAI	est Comments N, CAN HOLDP	Job Order Nu	No No		
PER 946 REQ FLUSH PER 758, ASSISTED	7/26/2007 13:33:02	Service Reque H FSN#8307 ON 8"VC MAI FOR CITY PROTECTION	DEPT est Comments N, CAN HOLDP	Job Order Num 8202 PAGED 8794JKL	No No No No	3	
PER 946 REQ FLUSH PER 758, ASSISTED THIS EXTRA SECTIO	7/26/2007 13:33:02	Service Reque H FSN#8307 ON 8"VC MAI FOR CITY PROTECTION Work Order IS BOTTOM OF MAIN @ 4	DEPT est Comments N, CAN HOLDP .MF Comments SOME SMALL	Job Order Num 8202 PAGED 8794JKL	No No No No No No No No No No No No No N	3	
PER 946 REQ FLUSH PER 758, ASSISTED THIS EXTRA SECTIO	7/26/2007 13:33:02	Service Reque H FSN#8307 ON 8"VC MAI	DEPT est Comments N, CAN HOLDP .MF Comments SOME SMALL	Job Order Num 8202 PAGED 8794JKL	No No No No No No No No No No No No No N	3	

THIS EXTRA SECTION HAS SOME DEBRIS BOTTOM OF MAIN @ 4'. SOME SMALL GREASE ON WALLS. CAMERA WENT UNDERWATER FOR 10'. A DIAMETER CHANGE @ 157' WAS TO TIGHT FOR CAMERA TO PASS, AND WAS NOT ABLE TO DO A REVERSE SET-UP DUE TO MAIN DROPS INTO MH#35, NOT ABLE TO GET CAMERA INTO MH#35 GOING U/S.



Work Order 3000622 Contract				Video cd					Setup 27					
Facility 8316 Operator pa				earker Van Ref 303						005 Surveyed On 07/26/2007				
	eet Name			City	sar	n die	go							
Loca	tion type													
	Surface									_				
Survey	purpose	Spec	ific prob	lems on sewer syst	em related to	structu	al M	/eat	her	Dry	•			
Pipe	<i>Us</i> e Sani	tary			Sche	d lengti	h 225.0	F	t	From	C12S-040)	Depth 15.00	Ft
Sh	ape Circu	ular			Size 8	by	ins	;		To	C12S-03	5	Depth	Ft
Mate	<i>rial</i> Vitrif	ied cla	ay		Joint Spa	cing	Ft			Direc	tion Dov	vn		
Lir	ning Plas	tic			Year lai	<u> </u>				Pre-c	lean	Last C	leaned	
Gener	al note E	xtra se	ection							Struct	ural	Service	Construc	tional
Locatio	n note o	n dese	ert view	dr.						Misce	llaneous	Hydrauli	c	
Video	Count	CD	Code				Sev	Fr	То	Value	Remark	S		
00000	0.0		ST	Start of Survey										
00000	0.0		МН	Manhole/Node							C12S-04	Ю		
00000	0.0		WL	Water level						10				
	4.2		DE	Debris			М							
	33.4		CN	Service Connection	n			02						
	61.9		DEG	Debris (Grease)			S				ON WAL	LS		
	68.0		WL	Water level						0035				
	73.0		CN	Service Connection	n			11						
	123.3		CUB	Camera Submerg	ed Begin		1		l					
	133.9		CUE	Camera Submerg	ed End		1							
	156.1		DC	Diameter of sewer	changes					07.5				
	157.5		GO	General observati	on						TOO TI	SHT FOR (CAM.	
	157.6		SA	Survey abandone	t									
	157.6	Ft	Total I	ength Surveyed										

Scores Notes

Mean Pipe 0 Mean Pipe 0.8 Total 0 Total 125 Mean Defect 0 Mean Defect 20.8 Peak 0 Peak 75 Structural: Service:

Extra section some debris on the bottom @ 4' some grease on the walls (S), Cam. went under water for 10', a dim. change @ 157' is too tight for the cam. to pass and unable to do rev. setup due to main dropes into m/h 35 and can not get cam. up into this fsn going up/s.

Clock references: Clock references are given clockwise ie from 10 o'clock to 2 o'clock = 1002. The upper part of a pipe is 0903 and the lower half is 0309. See Illustration below











Nature of Complaint			
TELEVISE		et Name	Sfx Suite # Juris
UNSCHEDULED MAINTENANCE	5715 SOLEDAD MTN	····	RD SD
	Int	tersection	
	L		
SR# WO# Status Gen Dt Prty	Location Desc 5715 SOLEDAD MAOUNTAIN ROAD		Water/Sewer
3000622 4 CMP 07/26/07 1	***************************************		S) S
	Cross Street N	lame	
Fac Type Fac Seq # MAIN 8322	Postucator Name	Anna Dhana# O-	
IVIAIIV	Requestor Name	Area Phone # Co	ntact N
		[] [
Complete		eld Book Pg Grie	<u>d</u>
	W RC	C12S	
Sketch		nos Bros Pg	
	946 946	1248A2	
	Job Description		
PIPE INTEGRITY / EXTRA SECTION.			
	Special Instructions		
L			
Work Cd Work Code Desc	Action Code	Action Code Des	C
TV INSPECT	TV03 TELEVISED MA	AIN COND ASSESS	
Marking Programma Hand		Rental Equipment U	nod
Motive Equipment Used	Equipment Type	Operated	Hours
Equipies	Equipment Type	Yes No	nours
		- <u> </u>	
1 1 1 1 1 1 1 1 1 1		(Yes () No	
		= <u> </u>	7
		Yes No	
Start Date/Time End Date/Time	Department	Yes No Job Order Number	Employees Hours
	Department WASTE WATER DEPT		Employees Hours
		Job Order Number	
		Job Order Number	
		Job Order Number	
	WASTE WATER DEPT	Job Order Number	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO	WASTE WATER DEPT	Job Order Number 8202	
	WASTE WATER DEPT	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO	WASTE WATER DEPT	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO	WASTE WATER DEPT	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO	WASTE WATER DEPT	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	WASTE WATER DEPT	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO	WASTE WATER DEPT	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	WASTE WATER DEPT	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	WASTE WATER DEPT	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	WASTE WATER DEPT	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	WASTE WATER DEPT	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAG	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO	Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAG	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO	Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAG	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO	Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAG	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO	Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAG	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO	Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAGE	Job Order Number 8202	
7/26/2007 13:05:00 7/26/2007 13:09:25 METRO	Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAGE Y PROTECTIONMF	Job Order Number 8202	
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8 PGED 758JKL PER 758, ASSISTED IN FLUSHING MAIN FOR CITY	Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAGE Y PROTECTIONMF	Job Order Number 8202	
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8 PGED 758JKL PER 758, ASSISTED IN FLUSHING MAIN FOR CITY	Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAGE Y PROTECTIONMF	Job Order Number 8202	

THIS EXTRA SECTION OF PIPE HAS A LOT OF FLOW, AND IS CLEAR.

Comments : The Comments of the PERSUDDAN DEMES

Video cd

Setup 26

Fa	cility 832	22		Operator p	arker		Var	n R	ef 3030	05	Surveyed	d On 07/26/20	07	
Loca	eet Name tion type Surface purpose	Road Chip	d carriag seal roa	jeway ad	em related to structu	City ural VI	san /eat/		go Dry					
Pipe Use Sanitary Shape Circular Material Vitrified clay Lining Plastic					Sched length 300.0 Ft Size 8 by ins Joint Spacing Ft Year laid				To	C12S-041 C12S-040 ction Down		Depth 15.00 F Depth F		
Genera	al note Ex on note or	dra se		dr.	real raid				Struct		Service Hydraulic	Construc	ional	
Video	Count	CD	Code			Sev	Fr	То	Value	Remarks				
00000	0.0		ST	Start of Survey										
0000	0.0		МН	Manhole/Node						C12S-041				
0000	0.0		WL	Water level					8					
	8.9		CN	Service Connection	n		09		١.					
	88.9		CN	Service Connection	n		09		<u> </u>	Ĺ				
	98.1		CN	Service Connection	n		02		<u> </u>		· · · · · ·			
	167.9		CN	Service Connection	n		03		<u> </u>			···		
	210.8		CN	Service Connection	n		02		<u> </u>					
	247.1		CN	Service Connection	n		10							
	300.0		МН	Manhole/Node					<u> </u>	C12S-040)			
	300.0		FH	Finish of Surveys					<u> </u>	END				
	300.0	Ft	Total L	Length Surveyed										
Notes	Score	s		Structural: Service:	Total 0 Total 0				ct 0	Peal Peal		Mean Pipe Mean Pipe		

Extra section main has lots of flow, but clear

Clock references: Clock references are given clockwise ie from 10 o'clock to 2 o'clock = 1002. The upper part of a pipe is 0903 and the lower half is 0309. See Illustration below



Notes









Nature of Complaint				
TELEVISE		Street # Fr Predir	Street Name	Sfx Suite # Juris
UNSCHEDULED MAINTENANC	E	5715 SOLEDAD		RD SD
			Intersection	
			Description	Water/Sewer
SR # WO # Status	Gen Dt Prty	5715 SOLEDAD MAOUNTAIN R	OAD (CORRECT ADDRES	S) S
3000622 5 CMP	07/26/07 1	Cross St	reet Name	
Fac Type Fac S	ieq#			
MAIN 833	23	Requestor Name	Area Phone # Co	ontact
				N
		ES Service Area Service Area	a Field Book Pg Grid	
Complete		W RC	C12S	-
Sketch		L		
J. Sketch		Radio# Orig Radio#	<u> </u>	
		946 946	1248A2	٠
		Job Description		
PIPE INTEGRITY / EXTRA SEC	CTION.			
		Special Instructions		
Work Cd Work	Code Desc	Antina Codo	Astion Code Doo	_
	Code Desc	Action Code	Action Code Des	C
TV INSPECT		TV03 TELEVISE	ED MAIN COND ASSESS	
Motive Equipment U	sed		Rental Equipment U	sed
	Hours	Equipment Type	Operated	Hours
			Yes No	
			○ Yes ○ No	
L				
[[]			0 1/2-	1.1
			Yes No	
Start Date/Time End Date	te/Time	Department	O Yes O No Job Order Number	Employees Hours
Start Date/Time End Date 7/26/2007 12:56:10 7/26/2007		Department WASTE WATER DEPT		Employees Hours
			Job Order Number	
			Job Order Number	
			Job Order Number	
		WASTE WATER DEPT	Job Order Number	
7/26/2007 12:56:10 7/26/2007	12:56:10 METRO	WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
	12:56:10 METRO	WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:56:10 7/26/2007	12:56:10 METRO	WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:56:10 7/26/2007	12:56:10 METRO	WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:56:10 7/26/2007	12:56:10 METRO	WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:56:10 7/26/2007	12:56:10 METRO	WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:56:10 7/26/2007	12:56:10 METRO	WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:56:10 7/26/2007	12:56:10 METRO	WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:56:10 7/26/2007	12:56:10 METRO	WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:56:10 7/26/2007	12:56:10 METRO	WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:56:10 7/26/2007	12:56:10 METRO	WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
PER 946 REQ FLUSHER CREW	12:56:10 METRO	Service Request Comments 307 ON 8"VC MAIN, CAN HOLD	Job Order Number 8202	
7/26/2007 12:56:10 7/26/2007	12:56:10 METRO	Service Request Comments 307 ON 8"VC MAIN, CAN HOLD	Job Order Number 8202	
PER 946 REQ FLUSHER CREW	12:56:10 METRO	Service Request Comments 307 ON 8"VC MAIN, CAN HOLD	Job Order Number 8202	
PER 946 REQ FLUSHER CREW	12:56:10 METRO	Service Request Comments 307 ON 8"VC MAIN, CAN HOLD	Job Order Number 8202	
PER 946 REQ FLUSHER CREW	12:56:10 METRO	Service Request Comments 307 ON 8"VC MAIN, CAN HOLD	Job Order Number 8202	
PER 946 REQ FLUSHER CREW	12:56:10 METRO	Service Request Comments 307 ON 8"VC MAIN, CAN HOLD	Job Order Number 8202	
PER 946 REQ FLUSHER CREW	12:56:10 METRO	Service Request Comments 307 ON 8"VC MAIN, CAN HOLD	Job Order Number 8202	
PER 946 REQ FLUSHER CREW PER 758, ASSISTED IN FLUSHIN	TO FLUSH FSN#8:	Service Request Comments 307 ON 8"VC MAIN, CAN HOLD Y PROTECTIONMF	Job Order Number 8202	
PER 946 REQ FLUSHER CREW	TO FLUSH FSN#8:	Service Request Comments 307 ON 8"VC MAIN, CAN HOLD Y PROTECTIONMF	Job Order Number 8202	
PER 946 REQ FLUSHER CREW PER 758, ASSISTED IN FLUSHIN	TO FLUSH FSN#8:	Service Request Comments 307 ON 8"VC MAIN, CAN HOLD Y PROTECTIONMF	Job Order Number 8202	

Work	Work Order 3000622 Contract									eo cd		Setup 25		
Fa	acility 83	23		Operator p	arker			Va	n R	ef 303	005	Surveye	ed On 07/26/20	07
Str	eet Name	571	5 soleda	ıd mtn rd.			City	sar	ı die	go				
Loca	tion type	Road	d carriaç	jeway										
	Surface													
Survey	purpose	Spec	ific prob	lems on sewer syst	em related to	structura	al M	Veat	her	Dry				
Pipe	Use Sani	tary			Sched	l length	127.0	F	t	From	C12S-042		Depth 10.00	Ft
Sh	ape Circu	ılar			Size 8	by	ins	3		To	C12S-041		Depth	Ft
Mate	erial Vitrifi	ied cla	ay		Joint Space	•						n		
Lii	ning Plast	ic			Year laid					Pre-c	lean	Last Cle	eaned	
Gener	al note E	xtra se	ection							Struc	tural	Service	Construc	tional
Locatio	on note or	n dese	ert view	dr.					Ì	Misce	lianeous	Hydraulic		
Video	Count	CD	Code				Sev	Fr	То	Value	Remark	3		
00000	0.0		ST	Start of Survey									-	
00000	0.0		МН	Manhole/Node			i -				C12S-04	2		
00000	0.0		WL	Water level						5				
	36.1		DEG	Debris (Grease)			S			ĺ	ON TOPS	3		
	39.1		CUB	Camera Submerge	ed Begin									
	51.1		CUE	Camera Submerge	ed End									
	53.8		CN	Service Connectio	n			09						
	56.5		CN	Service Connectio	n			03	•					
	122.7		CN	Service Connectio	n	•		02					•	
	127.0		МН	Manhole/Node							C12S-04	1		
	127.0		FH	Finish of Surveys						1	END		, ·	
	127.0	Ft	Total L	ength Surveyed		_	•			•	•			-

Scores Notes

Structural:	Total 0	Mean Defect 0	Peak 0	Mean Pipe 0
Service:	Total 50	Mean Defect 12.5	Peak 50	Mean Pipe 0.4

Extra section cam. went under water for 10' some grease(S).











Nature of Complaint	Street # Fr Predir St	reet Name	Sfx Suite # Juris
TELEVISE	5715 SOLEDAD M		RD SD
UNSCHEDULED MAINTENANCE			
	I	ntersection	
	Location Des	scription	Water/Sewer
SR# WO# Status Gen Dt Prty	5715 SOLEDAD MAOUNTAIN ROA		S) S
	Cross Street	Name	
Fac Type Fac Seq #			
MAIN 8317	Requestor Name	Area Phone # Cor	ntact
L			N
Oloto		Field Book Pg Grid	<u></u>
Complete	W RC	C12S	
Sketch	Radio# Orig Radio#	Thos Bros Pg	
)	946 946	1248A2	1
	940 940	12-10/12	
	Job Description		
PIPE INTEGRITY / EXTRA SECTION			
THE INTEGRAL TO LATER CONTROL	Si-ll-setur-ti		
	Special Instructions		
		,	
Work Cd Work Code Desc	Action Code	Action Code Desc	;
TV INSPECT	TV03 TELEVISED I	MAIN COND ASSESS	
Motive Equipment Used		— Rental Equipment Us	
Equip Nbr Hours	Equipment Type	Operated	Hours
		Yes No	
			()
		Yes No	
		Yes No	Employee Hours
Start Date/Time End Date/Time	Department	Yes No Job Order Number	Employees Hours
	Department D WASTE WATER DEPT	Yes No	Employees Hours 3 1
		Yes No Job Order Number	
		Yes No Job Order Number	
		Yes No Job Order Number	
		Yes No Job Order Number	
	D WASTE WATER DEPT	Yes No Job Order Number	
7/26/2007 12:27:49	O WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
	O WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:27:49	O WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:27:49	O WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:27:49	O WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:27:49	O WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:27:49	O WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:27:49	O WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:27:49	O WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:27:49	O WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:27:49	O WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:27:49	O WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:27:49	O WASTE WATER DEPT Service Request Comments	Job Order Number 8202	
7/26/2007 12:27:49	Service Request Comments 3307 ON 8"VC MAIN, CAN HOLDPA	Job Order Number 8202	
7/26/2007 12:27:49	Service Request Comments 3307 ON 8"VC MAIN, CAN HOLDPA	Job Order Number 8202	
7/26/2007 12:27:49	Service Request Comments 3307 ON 8"VC MAIN, CAN HOLDPA	Job Order Number 8202	
7/26/2007 12:27:49	Service Request Comments 3307 ON 8"VC MAIN, CAN HOLDPA	Job Order Number 8202	
7/26/2007 12:27:49	Service Request Comments 3307 ON 8"VC MAIN, CAN HOLDPA	Job Order Number 8202	
7/26/2007 12:27:49	Service Request Comments 3307 ON 8"VC MAIN, CAN HOLDPA	Job Order Number 8202	
7/26/2007 12:27:49	Service Request Comments 3307 ON 8"VC MAIN, CAN HOLDPA	Job Order Number 8202	
7/26/2007 12:27:49	Service Request Comments 3307 ON 8"VC MAIN, CAN HOLDPA	Job Order Number 8202	
7/26/2007 12:27:49	Service Request Comments B307 ON 8"VC MAIN, CAN HOLDPA TY PROTECTIONMF Work Order Comments	Job Order Number 8202	
PER 946 REQ FLUSHER CREW TO FLUSH FSN## PER 758, ASSISTED IN FLUSHING MAIN FOR CIT	Service Request Comments B307 ON 8"VC MAIN, CAN HOLDPA TY PROTECTIONMF Work Order Comments	Job Order Number 8202	
PER 946 REQ FLUSHER CREW TO FLUSH FSN## PER 758, ASSISTED IN FLUSHING MAIN FOR CIT	Service Request Comments B307 ON 8"VC MAIN, CAN HOLDPA TY PROTECTIONMF Work Order Comments	Job Order Number 8202	

Extra section Lots of roots at joints (S,M,L)

Total 0 Total 450 Mean Defect 0

Mean Defect 45

Peak 0

Peak 100

Clock references: Clock references are given clockwise ie from 10 o'clock to 2 o'clock = 1002. The upper part of a pipe is 0903 and the lower half is 0309. See Illustration below



Scores

Notes



Structural:

Service:







Mean Pipe 0

Mean Pipe 7.5

Nature of Complaint TELEVISE			
I I LLL VIOL	Street # Fr Predir St	reet Name	Sfx Suite # Juri
UNSCHEDULED MAINTENANCE	5715 SOLEDAD MT	'N	RD SD
	. 1	ntersection	
	Location Des	cription	Water/Sewe
SR# WO# Status Gen Dt Prty	5715 SOLEDAD MAOUNTAIN ROA		S
3000622 7 CMP 07/26/07 1	Cross Street	Name	
Fac Type Fac Seq#			
MAIN 8312	Requestor Name	Area Phone # Cont	act
		N	
	FO Coming Area Coming Area (
Complete		Field Book Pg Grid	
	W RC	C12S	
Sketch	Radio# Orig Radio#	Thos Bros Pg	
	946 946	1248A2	
	Job Description		
PIPE INTEGRITY / EXTRA SECTION.		,	
·	Special Instructions		
· ·			
Work Cd Work Code Desc	Action Code	Action Code Desc	
TV INSPECT	TV03 TELEVISED N	IAIN COND ASSESS	
Motive Equipment Used		Rental Equipment Use	d
Equip Nbr Hours	Equipment Type	Operated	Hours
Equip No.	Equipment Type	Yes No	Tiouis
		Yes No	
		Yes No	
Start Date/Time End Date/Time	Department	Job Order Number E	mployees Hours
7/26/2007 11:48:00 7/26/2007 12:23:39 METRO	WASTE WATER DEPT	8202	3 1
		<u> </u>	
			<u> </u>
	Service Request Comments		
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	•	GED 8794JKL	
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	•	GED 8794JKL	
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	•	GED 8794JKL	
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	•	GED 8794JKL	
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	•	GED 8794JKL	
	•	GED 8794JKL	
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	•	GED 8794JKL	JL
	•	GED 8794JKL	
	•	GED 8794JKL	JL
	•	GED 8794JKL	
	•	GED 8794JKL	
	307 ON 8"VC MAIN, CAN HOLDPAG	GED 8794JKL	
PGED 758JKL	307 ON 8"VC MAIN, CAN HOLDPAG	GED 8794JKL	
PGED 758JKL	307 ON 8"VC MAIN, CAN HOLDPAG	GED 8794JKL	
PGED 758JKL	307 ON 8"VC MAIN, CAN HOLDPAG	GED 8794JKL	
PGED 758JKL	307 ON 8"VC MAIN, CAN HOLDPAG	GED 8794JKL	
PGED 758JKL	307 ON 8"VC MAIN, CAN HOLDPAG	GED 8794JKL	
PGED 758JKL PER 758, ASSISTED IN FLUSHING MAIN FOR CITY	ON 8"VC MAIN, CAN HOLDPAGE PROTECTIONMF Work Order Comments		A CI PRES
PGED 758JKL	Work Order Comments OINTSNW/ ROOTS FROM THEM SI COMPLETE SURVEY. REVERSE F	MALL THRU MED. CAMER OUND THIS 8" VC MAIN L	A FLPPPED INED, MADE

Work	Work Order 3000622 Contract										Setup 22			
F	acility 831	2		Operator p	arker			Va	n R	ef 3030	005	Surveye	d On 07/26/200	07
Str	eet Name	5715	soleda	d mtn rd.			City	sar	ı die	go				
Loca	tion type	Road	carriag	eway										
	Surface	•												
Survey	purpose	Specifi	ic prob	lems on sewer syst	em related t	o structu	ıral V	/eat	her	Dry				
Pipe	Use Sanita	ary			Sche	ed lengi	th 279.0	F	t	From	C12S-032	?	Depth 12.00	Ft
SI	ape Circul	lar			Size 8	bу	ins	;	- 1	To	C12S-035	5	Depth 25.00	Ft
Mate	erial Vitrifie	ed clay	,		Joint Spa	ncing	Ft			Direc	tion Dov	vn ·		
Li	ning Plasti	ic			Year lai	id				Pre-c	lean	Last Cle	eaned	
Gener	al note ex	tra sec	tions							Struct	ural	Service	Construct	tional
Locatio	on note on	soleda	ad mtn	. rd.						Misce	llaneous	Hydraulic		
Video	Count	CD	Code				Sev	Fr	То	Value	Remark	s		
00000	0.0		SŤ	Start of Survey										
00000	0.0		МН	Manhole/Node							C12S-03	2		
00000	0.0		WL	Water level					L	3				
	54.0		RJ	Roots at joint			M							
	121.1		CN	Service Connection	n			02						
	124.2		RJ	Roots at joint			s							
	125.6		RJ	Roots at joint			s			<u> </u>				
	128.3		SA	Survey abandone	d						CAM. FL	IPPED		
	128.3	Ft '	Totai t	ength Surveyed										
	Scores	s [Structural:	Tota					ct 0	Pea		Mean Pipe	
Notes				Service:	Tota	1 125	Me	an D	efe	ct 31.3	Pea	k 75	Mean Pipe	9 1

Extra section main is lined and has joints w/ roots from them (S,M).

Clock references: Clock references are given clockwise ie from 10 o'clock to 2 o'clock = 1002. The upper part of a pipe is 0903 and the lower half is 0309. See Illustration below



Notes









Work	Work Order 3000622 Contra											S	Setup 23		
F	acility 83	12		Operator p	arker			Va	n R	ef 3030	05	Surveye	d On 07/26/20	07	
Str	eet Name	571	5 soleda	d mtn rd.			City	san	die	go					
Loca	ition type		_	-											
_	Surface						14			D-:					
Survey	purpose	Spec	mc prob	lems on sewer syst				Veat	 -	Dry					
Pipe	Use Sanit	tary			Sche	ed lengt	h 279.0) F	t		C12S-035		Depth 25.00		
Sł	nape Circu	ılar			Size 8	by	ins		Į		C12S-032	2	Depth 12.00	Ft	
	Material Vitrified clay Lining Plastic				Joint Spacing Ft						tion Up				
					Year laid	đ				Pre-c		Last Cle			
•			•	on sheet:22						Struct		Service	Construc	ionai	
Location	on note or	n sole	dad mtn	. rd,	·					Misce	llaneous	Hydraulic			
Video	Count	CD	Code				Sev	Fr	То	Value	Remark	S			
00000	0.0		ST	Start of Survey						<u> </u>					
00000	0.0		МН	Manhole/Node						<u> </u>	C12S-03	15	·		
00000	0.0		WL	Water level			4			3				-	
	6.5		LL	Bend in pipe left						<u> </u>					
	11.4		LC	Lining Defect			S								
	86.6		DC	Diameter of sewer	<u>_</u>					07.5					
	129.0		CN	Service Connection	n		 -	09							
	156.0	<u> </u>	RJ	Roots at joint			S								
	158.4		DC	Diameter of sewer				ļ		07.5	<u></u>				
	158.4	L	SA	Survey abandone	<u> </u>						CSAM. I	FLIPPED			
	158.4	Ft	Total L	ength Surveyed											
	Score	s 🗆		Structural:	Total					ct 25		k 50	Mean Pipe		
Notes		l		Service:	Total	1 25	Me	an D	efe	ct 12.5	Pea	k 25	Mean Pipe	9 0.2	

Found repairs on this 8" vc lined main made diameter change in spots to be 7.5" and roots at joints (S), cam. flipped @ 158'.











Nature of Complaint				
TELEVICE				
		treet Name		ite# Juris
UNSCHEDULED MAINTENANCE	5715 SOLEDAD M	TN	RD	SD
		Intersection		
	Location De	scription	Wa	ter/Sewer
SR# WO# Status Gen Dt Prty	5715 SOLEDAD MAOUNTAIN ROA			S
	<u> </u>	i	3)	
3000622 8 CMP 07/26/07 1	Cross Stree	t Name		
Fac Type Fac Seq #		·		
MAIN 8311	Requestor Name	Area Phone # Co	ntact	
			N	
	F0.0		•	
Complete	ES Service Area Service Area	Field Book Pg Grid	<u>a </u>	
	W RC	C12S		
Sketch	Radio# Orig Radio#	Thos Bros Pg		
	946 946	1248A2		
	Job Description			
PIPE INTEGRITY / EXTRA SECTION.		•		
	Special Instructions			
			•	
				l
Work Cd Work Code Desc	Action Code	Action Code Des	C	
TV INSPECT	TV03 TELEVISED	MAIN COND ASSESS		
IV MOI LOI		WAIN COND AGGESS		
Motive Equipment Used		Rental Equipment Use	sed	
Equip Nbr Hours	Equipment Type	Operated		ours
		○ Yes ○ No		
			-	
		Yes No		
		Yes No		
	The construction of the co			
Start Date/Time End Date/Time	Department	Job Order Number	Employees	Hours
7/26/2007 11:34:00 7/26/2007 11:45:53 METRO	WASTE WATER DEPT	8202	3	1
				١
		[
				<u> </u>
	Service Request Comments			ا است
PER 946 REO FI USHER CREW TO FI USH ESN#8	•	GED 8794 IKI		ا لــــــالِــــــــــــــــــــــــــــ
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	•	GED 8794JKL		<u> </u>
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	•	GED 8794JKL		
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	•	GED 8794JKL		
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	•	GED 8794JKL	<u> </u>	
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	•	GED 8794JKL	L	
	•	GED 8794JKL		<u> </u>
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	•	GED 8794JKL		<u> </u>
	•	GED 8794JKL		<u> </u>
	•	GED 8794JKL		<u> </u>
	•	GED 8794JKL		<u> </u>
	•	GED 8794JKL		<u> </u>
PGED 758JKL	307 ON 8"VC MAIN, CAN HOLDPA	GED 8794JKL		<u> </u>
	307 ON 8"VC MAIN, CAN HOLDPA	GED 8794JKL		<u> </u>
PGED 758JKL	307 ON 8"VC MAIN, CAN HOLDPA	GED 8794JKL		<u> </u>
PGED 758JKL	307 ON 8"VC MAIN, CAN HOLDPA	GED 8794JKL		<u> </u>
PGED 758JKL	307 ON 8"VC MAIN, CAN HOLDPA	GED 8794JKL		<u> </u>
PGED 758JKL	307 ON 8"VC MAIN, CAN HOLDPA	GED 8794JKL		
PGED 758JKL	307 ON 8"VC MAIN, CAN HOLDPA	GED 8794JKL		
PGED 758JKL	307 ON 8"VC MAIN, CAN HOLDPA	GED 8794JKL		
PGED 758JKL	Work Order Comments 3 IS A LATERAL W/ ROOTS FROM	I IT (LRG.) WHICH MADE	THE JERA GOIN	G

Work	Work Order 3000622 Contract												Setup 20		
Fä	acility 831	11		Operator p	arker			Va	n Re	ef 3030	05	Surveye	ed On 07/26/20	007	
Str	eet Name	5715	soleda	d mtn rd.			City	sar	ı die	go					
Loca	tion type	Road	l carriag	eway											
	Surface	•													
Survey	purpose	Spec	ific prob	lems on sewer syste	em related to	structur	al V	Veat	her	Dry			·		
Pipe	Use Sanit	агу			Sche	d lengtl	ነ 156.0	F	t	From	C12S-384	}	Depth 12.00) Ft	
Sh	ape Circu	lar			Size 8	by	ins	•	ł	To	C12S-032	<u> </u>	Depth	Ft	
Mate	erial Vitrifi	ed cla	y		Joint Space	ing	Ft			Direc	tion Dov	/n			
Lîı	ning Plast	ic			Year laic	1				Pre-c	lean	Last Cle	eaned		
Gener	al note ex	tra se	ctions							Struct	ural	Service	Constru	ctional	
Locatio	on note on	soled	dad mtn	. rd.						Misce	llaneous	Hydraulic			
Video	Count	CD	Code			_	Sev	Fr	То	Value	Remark	s			
00000	0.0		ST	Start of Survey											
00000	0.0		мн	Manhole/Node							C12S-38	4			
00000	0.0		WL	Water level						3					
	11.7		CN	Service Connection	n			03							
	51.3		CN	Service Connection	n			10							
	113.4		CN	Service Connection	n			03							
	127.3		CN	Service Connection	n			03		1					
	127.3		CR	Roots from lateral			L	03							
	128.5		SA	Survey abandoned							CAM. FL	.IPPED			
	128.5	Ft	Total L	ength Surveyed											
	Scores	, [Structural:	Total	0	Me	an D	efe	ct 0_	Pea	k 0	Mean Pip		
Notes	000100			Service:	Total	75	Me	an D	efe	ct 37.5	Pea	k 75	Mean Pip	e 0.6	

Extra section this main is lined @ 127.3' is a lateral w/ roots from it (L) that made cam. flip.











Χ

for Ciyt of SD

Mean Defect 0 Mean Defect 58.3 Peak 0 Peak 100

Work	Work Order 3000622 Contract			Video cd							Setup 21					
Fa	cility 83	11		Operator p	arker				Vai	n R	ef 3030	05	Surveye	d On 07	/26/200)7
Str	eet Name	5715	soleda	d mtn rd.				City	san							
Loca	tion type	Road	carriag	eway												
	Surface															
Survey	purpose	Spec	ific prob	lems on sewer syste	em relate	ed to str	uctural	·W	'eatl	her	Dry					
Pipe	Use Sanif	tary			s	ched le	ngth '	156.0	F	t [From	C12S-032		Depth		Ft
Shape Circular		Size 8	Size 8 by ins			İ	To	C12S-384		Depth	12.00	Ft				
Material Vitrified clay		Joint S	Spacing	7	Ft			Direc	tion Up							
Liı	Material Vitrified clay Lining Plastic		Year	laid	-				Pre-c	lean	Last Cleaned					
Gener	al note R	everse	set up	on sheet:20						П	Struct	ural 1	Service	Co	nstruct	ional
	on note or										Misce	llaneous	Hydraulic			
Video	Count	CD	Code					Sev	Fr	То	Value	Remarks	3			
00000	0.0		ST	Start of Survey							<u> </u>					
00000	0.0		MH	Manhole/Node							L	C12S-03	2			
00000	0.0		WL	Water level							3					
	11.5		CN	Service Connection	n _				09							
	28.5		CN	Service Connection	n				02							
	28.5		CR	Roots from lateral				L	02			L				
	29.5		R	Roots				L				ROOTS	AHEAD			
	30.0		SA	Survey abandoned	ł					L		CAN NO	T PASS			
	30.0	Ft	Total L	ength Surveyed												

Tved for rev. set up found 2 laterals w/ roots from them (L)

Total 0 Total 175

Clock references: Clock references are given clockwise ie from 10 o'clock to 2 o'clock = 1002. The upper part of a pipe is 0903 and the lower half is 0309. See Illustration below



Scores

Notes



Structural: Service:







Mean Pipe 0 Mean Pipe 5.8

Nature of Complaint	Street # Ex Bradia Street Name St	Cuito# Iurio
TELEVISE UNSCHEDULED MAINTENANCE	Street # Fr Predir Street Name Sf: 5715 SOLEDAD MTN RI	Suite # Juris
UNSCHEDULED MAINTENANCE	Intersection	
		
	Location Description	Water/Sewer
SR# WO# Status Gen Dt Prty	5715 SOLEDAD MAOUNTAIN ROAD (CORRECT ADDRESS)	S
3000622 10 CMP 07/26/07 1	Cross Street Name	
Fac Type Fac Seq #		
MAIN 8307	Requestor Name Area Phone # Contact	
	N	
	ES Service Area Service Area Field Book Pg Grid	
Complete	W RC C12S	
Sketch	Radio# Orig Radio# Thos Bros Pg	
	946 946 1248A2	
	Job Description	
PIPE INTEGRITY / EXTRA SECTION.	Job Description	
H. Z. IIV. Z. Z. IIV. Z. Z. Z. Z. Z. Z. Z. Z. Z. Z. Z. Z. Z.	Special Instructions	
Work Cd Work Code Desc	Action Code Action Code Desc	
TV TV INSPECT	TV03 TELEVISED MAIN COND ASSESS	
I V III LOI		
Motive Equipment Used	Rental Equipment Used	
Equip Nbr Hours	Equipment Type Operated	Hours
	O Yes O No	
	Yes No	
	Yes No	
Start Date/Time End Date/Time		oyees Hours
	Department Job Order Number Empl	oyees Hours
	Department Job Order Number Empl	
	Department Job Order Number Empl	
	Department Job Order Number Empl	
	Department Job Order Number Employees WASTE WATER DEPT 8202 2	
7/26/2007 11:16:07	Department Job Order Number Employees WASTE WATER DEPT 8202 2	
	Department Job Order Number Employees WASTE WATER DEPT 8202 2	
7/26/2007 11:16:07	Department Job Order Number Employees WASTE WATER DEPT 8202 2	
7/26/2007 11:16:07	Department Job Order Number Employees WASTE WATER DEPT 8202 2	
7/26/2007 11:16:07	Department Job Order Number Employees WASTE WATER DEPT 8202 2	
7/26/2007 11:16:07	Department Job Order Number Employees WASTE WATER DEPT 8202 2	
7/26/2007 11:16:07	Department Job Order Number Employees WASTE WATER DEPT 8202 2	
7/26/2007 11:16:07	Department Job Order Number Employees WASTE WATER DEPT 8202 2	
7/26/2007 11:16:07	Department Job Order Number Employees WASTE WATER DEPT 8202 2	
7/26/2007 11:16:07	Department Job Order Number Employees WASTE WATER DEPT 8202 2	
7/26/2007 11:16:07	Department Job Order Number Employ WASTE WATER DEPT 8202 Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAGED 8794JKL	
7/26/2007 11:16:07	Department Job Order Number Employ WASTE WATER DEPT 8202 Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAGED 8794JKL	
7/26/2007 11:16:07	Department Job Order Number Employ WASTE WATER DEPT 8202 Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAGED 8794JKL	
7/26/2007 11:16:07	Department Job Order Number Employ WASTE WATER DEPT 8202 Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAGED 8794JKL	
7/26/2007 11:16:07	Department Job Order Number Employ WASTE WATER DEPT 8202 Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAGED 8794JKL	
7/26/2007 11:16:07	Department Job Order Number Employ WASTE WATER DEPT 8202 Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAGED 8794JKL	
PER 946 REQ FLUSHER CREW TO FLUSH FSN#83 PGED 758JKL PER 758, ASSISTED IN FLUSHING MAIN FOR CITY THIS EXTRA SECTION HAS A LATERAL W/ ROOT	Department Job Order Number Employ WASTE WATER DEPT 8202 Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAGED 8794JKL PROTECTIONMF Work Order Comments S FROM IT (LRG.) AND FROM AROUND THE TAP (SM.). ALSO A	
7/26/2007 11:16:07	Department Job Order Number Employ WASTE WATER DEPT 8202 Service Request Comments 307 ON 8"VC MAIN, CAN HOLDPAGED 8794JKL PROTECTIONMF Work Order Comments S FROM IT (LRG.) AND FROM AROUND THE TAP (SM.). ALSO A	

abulal Report of FER 9.23 525						Olytor OD												
Work Order 3000622 Contract								1	Vide	o cd		Setup 17						
Fa	cility 83	07		Operator p	arker			Va	n Re	ef 3030	005	Surveye	d On 07/26/20	07				
Street Name 5715 soledad mtn rd.							City	san	die	go								
Loca	tion type																	
	Surface																	
Survey	purpose	Speci	fic prob	lems on sewer syst	em relat	ed to struct	ural V	/eati	her	Dry								
Pipe Use Sanitary					S	iched leng	gth 318.0	F	t		C12S-025		Depth 20.00	Ft				
Sh	ape Circu	ılar			Size 8	B <i>by</i>	ins	5	- 1	To	C12S-026		Depth	Ft				
Mate	<i>rial</i> Vitrif	ied cla	y			Spacing	Ft				Direction Up							
Lit	ning				Year	r laid				Pre-c		Last Cle						
Gener	al note e	dra se	ctions t	to assess conditio	n					Struct		Service	Construc	tional				
Location	n note o	n solec	dad mtn	. rd.						Misce	llaneous	Hydraulic						
Video	Count	CD	Code				Sev	Fr	То	Value	Remarks	3						
00000	0.0		ST	Start of Survey														
00000	0.0		мн	Manhole/Node							C12S-02	5						
00000	0.0		WL	Water level						3								
	32.5		CN	Service Connection	n			02		<u> </u>	ļ <u>.</u>							
	68.6		CN	Service Connection	n			11			<u> </u>							
	108.0		CN	Service Connection	n			02	L	<u> </u>								
	143.8		CN	Service Connection	n	~ ~ ———		10			· .							
	183.5		CN	Service Connection	n			02		ļ								
	206.0		CN	Service Connection	n			10	<u>L</u>		ļ	<u> </u>						
	255.5		CN	Service Connection	n			02	<u></u>		<u> </u>		<u></u> -					
	278.3		CN	Service Connection	n			02	<u>L</u> .	ļ	ļ							
	314.2		CB	Break in Connecti	on			02		L								
	314.2		CR	Roots from lateral			<u> </u>	02		ļ								
	314.2		CRA	Roots around Late	eral		s	02	Ļ	<u> </u>	ļ							
	315.2		ccı	Circular Crack at j	oint		S	12	11	ļ	ļ							
	318.0		МН	Manhole/Node		····	ļ	<u> </u>	<u> </u>	ļ	C12S-02	6						
	318.0		FH	Finish of Surveys						<u> </u>	END							
	318.0	Ft	Total L	ength Surveyed														

Scores

Structural: Service:

Total 100 Total 95

Mean Defect 50 Mean Defect 31.7

Peak 100 Peak 95

Mean Pipe 0.3 Mean Pipe 0.3

Extra section 1 lateral w/ roots from it (L) and from around the tap (S) also a cir. crack at a joint near the d/e m/h.











Nature of Complaint	Street # Fr Predir St	treet Name Sf.	x Suite# Juris
UNSCHEDULED MAINTENANCE	5715 SOLEDAD M	TN RI	D SD
		Intersection	[
	Location De		Water/Sewer
SR# WO# Status Gen Dt Prty	5715 SOLEDAD MAOUNTAIN ROA		Water/Sewer
3000622 12 CMP 09/25/07 2	Cross Stree]
Fac Type Fac Seq #			
MAIN 8306	Requestor Name	Area Phone # Contact	
] N	
Complete		Field Book Pg Grid	
	W RC	C12S	
Sketch	Radio# Orig Radio#	Thos Bros Pg 1248A2	
		1270/12	
RE-TV TO MONITOR MAINS	Job Description		
RE-TV TO MONTOR MAINS	Special Instructions		
ENVIRONMENTALLY SENSITIVE AREA. PERMIT		YOUR SUPERVISOR FOR INST	TRUCTIONS.
Work Cd Work Code Desc	Action Code	Action Code Desc	
TV TV INSPECT		MAIN COND ASSESS	
		Pantal Equipment Used	
Motive Equipment Used Equip Nbr Hours	Equipment Type	— Rental Equipment Used — Operated	Hours
	Eddibinant 13bo	Yes No	
		Yes No	
		◯ Yes ◯ No	
Start Date/Time End Date/Time	Department	Job Order Number Empl	oyees Hours
	WASTE WATER DEPT		3 1
(J25/207 05:1100 G/25/207 05:1100 M2110			
	Service Request Comments		
PER 946 REQ FLUSHER CREW TO FLUSH FSN#8	307 ON 8"VC MAIN, CAN HOLDPA	AGED 8794JKL	
BCED 750 IVI			
PGED 758JKL			
PER 758, ASSISTED IN FLUSHING MAIN FOR CIT	PROTECTIONMF		
	·	,	
<u> </u>	Work Order Comments		
I TU'D MAIN GOING DIS AND FOLIKID MAIKLES UN	A SMALL BOOTS AT SOME TOTAL		DOUS
TV'D MAIN GOING D/S AND FOUND MAIN TO HAY FROM SOME LATERALS.	/E SMALL ROOTS AT SOME JOINT	IS AND SMALL TO MEDIUM R	oors

for City Of SD

Work Order 3000622 Contract Facility 8306 Operator p			narker				eo cd ef 3030	105		etup 18 d On 09/26/20	07	
Stre	et Name 5 tion type Ro	oad carria	ad mtn. rd. geway	AING!	City	/ sar				Surveye	d On Contain	<u> </u>
C	Surface Cl	•		om related to etructu	roi M	1/0.04		Dev				
Survey	purpose S			em related to structu		Veat	- 1					
•	Use Sanitary			Sched lengt			t		C12S-025		Depth 15.00	
	ape Circular			Size 8 by	ins				C12S-024		Depth	Ft
	rial Vitrified ing	clay		Joint Spacing Year laid	Ft			Direc Pre-c	tion Dow Iean	n Last Cle	aned	
Genera	al note re-tv	to monitor	mains					Struct	ural	Service	Construc	tional
Locatio	<i>n note</i> on so	oledad mtr	n. rd.				1	Misce	lianeous	Hydraulic		
Video	Count C	D Code		· · · · · · · · · · · · · · · · · · ·	Sev	Fr	То	Value	Remarks	3		
00000	0.0	ST	Start of Survey	,		l	1	T				
00000	0.0	МН	Manhole/Node		1				C12S-02	5		
00000	0.0	WL	Water level					.3				
	6.9	CN	Service Connection	on .		02						
	42.9	CN	Service Connection	on		10	Ï					
	62.5	CN	Service Connection	n		02						
	80.4	CMJ	Cracks multiple at	joint	s	02						
	83.8	CCJ	Circular Crack at	oint	s	03	06					
	83.9	RJ	Roots at joint		s							
	85.0	RJ	Roots at joint		S							
	124.7	CN	Service Connection	on		10	Ī					
	124.7	CR	Roots from lateral		М	10	Ī					
	127.8	CN	Service Connection	on		02	Γ.	Ĭ				
	127.8	CR	Roots from lateral		М	02						
	128.6	RJ	Roots at joint		s							
	193.8	CN	Service Connection	on		02						
	193.8	CR	Roots from lateral		s	02		<u> </u>	<u> </u>			
	194.8	RJ	Roots at joint		S			<u> </u>				
	203.6	CN	Service Connection	on		10						
	203.6	CR	Roots from lateral		s	10		<u> </u>				
	238.6	RJ	Roots at joint		S							
	263.1	CN	Service Connection	on		02	Ĺ					
	278.6	CN	Service Connection	on		11						
	324.0	МН	Manhole/Node						C12S-02	4		
	324.0	FH	Finish of Surveys						END			
	324.0 Ft	Total	Length Surveyed									
	Scores		Structural:	Total 200				ct 100		k 100	Mean Pip	

Notes

Service: Total 265 Mean Defect 26.5 Peak 50

Roots at some joints (S) and from some laterals (S,M).











Printed on: 10/4/2007

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TELEVICE	ature of Con	Ithianir		.							
TELEVISE				Street	# Fr Pro		Street N	ame		Suite #	
UNSCHEDU	JLED MAINT	ENANCE		5715	_	SOLEDAD	MTN		RD		SD
							Inters	ection			
				L							
	•					Location I	Descript	ion		Water/S	Sewer
SR#	WO# S	tatus Gen Dt	Prty	5715 S	OLEDAD I	MAOUNTAIN RO	OAD (CO	DRRECT ADDRES	SS)	s	ł.
3000622	2 13 (MP 09/25/07	2			Cross Str	oot Name	<u> </u>			
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									N		
											
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]]; 50	Jiiplete			W	RC	C	12S			
	□ si	cetch		D	adio#	Orig Radio#	Thos	Bros Pg			
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KE-IV IO	MONITORI	VIMINO									
					cial Instru						
ENVIRON	MENTALLY	SENSITIVE AREA	A. PERMI	TS MAY	BE REQU	RED. CONTAC	T YOUR	SUPERVISOR FO	R INSTR	UCTIO	NS.
			 								
Work Cd		Work Code De	esc		Action Co	ode		Action Code Des	SC		1
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<u> </u>	TV INSPEC	 			1 703		D MAIN	COND ASSESS			
NA.	lativa Eaul	mont Hood					R	ental Equipment (Ised		
		oment Used								Harra	
Equip	NDr	Hours			Equi	pment Type		Operated		Hours	;
								Yes No			
								Yes No	7 [
<u> </u>		L <u></u>							⊣		
<u> </u>								Yes No			
Start Date	/Time	End Date/Time			Denartme	nt	lok	<u> </u>	Employ	,008 F	lours
Start Date		End Date/Time			Departme		Jok	Order Number	Employ	ees F	lours
Start Date 9/26/2007 1		End Date/Time /26/2007 13:00:00	METRO		Departme E WATER		Jok	<u> </u>	Employ	ees F	lours
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9/26/2007 1 PER 946 RE	I2:00:00 9	726/2007 13:00:00	SH FSN#8	Serv 8307 ON	ice Reque	DEPT Dist Comments N, CAN HOLD		Order Number 8202		rees F	
9/26/2007 1 PER 946 RE	I2:00:00 9	726/2007 13:00:00	SH FSN#8	Serv 8307 ON	ice Reque	DEPT Dist Comments N, CAN HOLD		Order Number 8202		rees F	
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9/26/2007 1 PER 946 RE	I2:00:00 9	726/2007 13:00:00	SH FSN#8	Serv 8307 ON	ice Reque	DEPT Dist Comments N, CAN HOLD		Order Number 8202		rees F	
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9/26/2007 1 PER 946 RE	I2:00:00 9	726/2007 13:00:00	SH FSN#8	Serv 8307 ON	ice Reque	sst Comments N, CAN HOLD		Order Number 8202		rees F	
9/26/2007 1 PER 946 RE PGED 758	2:00:00 9	R CREW TO FLUS	SH FSN#8	Serv 8307 ON	ice Reque 8"VC MAII	est Comments N, CAN HOLD	PAGED	Order Number 8202	3		

FOUND SOME SMALL ROOTS AT JOINTS, ALSO ROCKS THAT ARE POSS. FROM A LATERAL THAT WAS HIT BY WATER DEPT. ON 09/25/07 WHILE INSTALLING A CUT & PLUG IN FRONT OF 5685 SOLEDAD MNT. RD. CALLED FOR A FLUSHER CREW VIA STA.#38 TO REMOVE THESE ROCKS. ** RE-TV'D MAIN AFTER CLEANING (09-26-07) AND FOUND THAT ROCKS HAVE BEEN REMOVED AND THE MAIN IS CLEAR AT THIS TIME.

Work Order 3000622 Contract				Video cd						Setup 16				
Facility 8307 Operator p								Va	n Re	ef 303	005	Surveye	d On 09/26/20	07
Stre	et Name	5715	5 soleda	nd mtn. rd.			City	sar	n die	go				
Loca	tion type		-											ļ
	Surface									_				
Survey	purpose	Spec	ific prob	olems on sewer syst	em relate	ed to struc	tural V	Veat	her	Dry				
Pipe	Use Sanif	ary			S	ched leng	gth 317.	O F	t	From	C12S-025		Depth 15.00	Ft
Sh	ape Circu	ılar			Size 8	by	ins	5		To	C12S-026		Depth 15.00	Ft
Mate	rial Vitrifi	ed cla	ıy		Joint S	pacing	Ft			Direc	ction Up			
Lin	ning				Year	laid				Pre-c	lean	Last Cle	aned	
Genera	al note re	-tv to	monitor	mains						Struc	tural	Service	Construc	tional
Locatio	n note or	n sole	dad mtn	ı. rd.						Misce	ellaneous	Hydraulic		
Video	Count	CD	Code				Sev	Fr	То	Value	Remark			
00000	0.0		ST	Start of Survey	,									
00000	0.0		МН	Manhole/Node	·						C12S-02	5		
00000	0.0		WL	Water level			1			1	1			
	23.2		CCJ	Circular Crack at j	oint		S	11	06	Ī				
	29.1		CN	Service Connection	n			01						
	65.3		CN	Service Connection	n			11			i		·	
	104.5		CN	Service Connection	n	-		02						
	108.8	-	DE	Debris			М							
	114.8		DE	Debris		•	L			Ī	ROCKS			
	129.0		DE	Debris			L				ROCKS			
	129.0		SA	Survey abandone	d						CAN NO	TPASS		
	129.0	Ft	Total I	Length Surveyed										

Found debris (treanch rocks) starting @ 108' and cam. was able to go 129' up/s will do rev. set up.

Total 100 Total 105

Clock references: Clock references are given clockwise ie from 10 o'clock to 2 o'clock = 1002. The upper part of a pipe is 0903 and the lower half is 0309. See Illustration below



Scores

Notes



Structural: Service:





Mean Defect 100 Mean Defect 26.3 Peak 100 Peak 75 Mean Pipe 0.8 Mean Pipe 0.8



for City Of SD

Work Order 3000622 Contract				Video cd						Setup 17			
Fa	cility 83	07		Operator p	arker		Va	n R	ef 3030	005	Surveye	d On 09/26/2	007
	eet Name					City	sar	ı die	go				
Loca	tion type												
_	Surface	•							_				
Survey	purpose	Spec	ific prob	lems on sewer syst	em related to structu	ral V	Veat	her	Dry				
Pîpe	Use Sani	tary			Sched lengt	h 317.0	0 F	t	From	C12S-026		Depth 15.00	
Shape Circular					Size 8 by	ins	S		To	C12S-025		Depth 15.00) Ft
Material Vitrified clay					Joint Spacing	Ft			Direc	tion Down			
Lin	ing				Year laid				Pre-c	lean	Last Cle	eaned	
Genera	al note R	everse	e set up	on sheet:16				- 1	Struct	ural	Service	Constru	ctional
Locatio	n note o	sole	dad mtn	. rd.					Misce	llaneous	Hydraulic		
Video	Count	CD	Code			Sev	Fr	То	Value	Remarks			
00000	0.0		ST	Start of Survey									
00000	0.0		МН	Manhole/Node						C12S-026			
00000	0.0		W.L	Water level					1				
	3.1		СВ	Break in Connecti	on		10						
	3.1		CRA	Roots around Late	eral	s	10		<u>.</u>				
	3.7		RJ	Roots at joint		s							
<u> </u>	38.6		CN	Service Connection	n		02		<u> </u>				
	61.3		CN	Service Connection	n		10						
L	99.1		RJ	Roots at joint	··	s							
	101.9		RJ	Roots at joint		S	<u> </u>				····		
	106.8		RJ	Roots at joint		S			ļ				
	110.5		CN	Service Connection	n		02		L				
	112.6		RJ	Roots at joint		S	<u> </u>	<u> </u>	ļ				
	133.3		CN	Service Connection	n	-	11	<u></u>	ļ	<u> </u>			
	151.0		RJ	Roots at joint		S	<u> </u>	<u> </u>	ļ				
	151.5		RJ	Roots at joint		s	<u> </u>		<u> </u>	<u> </u>			
	169.8		WL	Water level			<u> </u>		0030				
	174.9		CN	Service Connection		4	02						
<u> </u>	175.0		GO	General observati	on		<u> </u>			•	OCKS FRO	M LATERAL \	NATER
	190.0		DE	Debris		<u> </u>	<u> </u>			ROCKS	······		
<u></u>	191.0		SA	Survey abandone	<u> </u>		<u> </u>			CAN NOT	PASS		
	191.0	Ft	Total L	ength Surveyed									

Scores Structural: Total 0 Mean Defect 0 Peak 0 Mean Pipe 0
Service: Total 210 Mean Defect 19.1 Peak 25 Mean Pipe 1.1

Found some roots at joints (S), also rocks poss. from a lateral that was hit by water dept. on 09/25/07 when installing a cut and plug in front of 5685 soledad mtn. rd. called for a flusher crew via sta.38 to remove these rocks.









